



Roy F. Weston, Inc.
Building 3701
Barnum Road
Fort Devens, Massachusetts 01433
508-772-7190 • Fax 508-772-7251

Mailing Address:
Roy F. Weston, Inc.
P.O. Box 425
Ayer, Massachusetts 01432-0425

15 April 1999

Work Order No. 03886-118-002-2700

Mr. Maurice Beaudoin, Resident Engineer
Department of the Army
New England District, Corps of Engineers
New Bedford Resident Office
103 Sawyer Street
New Bedford, MA 02746

Superfund Records Center
SITE: New Bedford
BREAK: 7.2
OTHER: 2041 25808

Reference: Contract No. DACW33-95-D-0004
Delivery Order No. 0002
New Bedford Harbor Superfund Site
Sawyer Street Site O & M
DCN: NBH-041599-AAPH

Subject: Quarterly Groundwater Sampling Results - Fourth Quarter 1998

Dear Mr. Beaudoin:

This is a Letter Report summarizing quarterly groundwater sampling activities and results at the New Bedford Harbor Sawyer Street Site. Seven on-site groundwater monitoring wells (MW-1, MW-2, MW-3, MW-4A, MW-5, MW-6, and MW-7A) were sampled on 21 December 1998. The attached Site Plan shows the locations of on-site monitoring wells. Table 1 summarizes the groundwater samples collected. Table 2 summarizes the final field parameters measured at each location after well purging, but prior to sample collection. Table 3 summarizes the analytical results of the sampling.

As shown on Table 3, no dissolved or total concentrations detected in MW-1 Duplicate and MW-3 were found at, or exceeding, any applicable U.S. EPA Maximum Contaminant Level (MCL) regulatory guidelines or any Massachusetts Contingency Plan (MCP) Standards. Based on the matrix spike/matrix spike duplicate (MS/MSD) samples not meeting quality control criteria for lead, all lead results were estimated (J/UJ) due to poor matrix spike recoveries. Data validation notes and the laboratory data transmittals for the 21 December 1998 groundwater sampling results are attached.

During the groundwater sampling event on 21 December 1998, the depression area located east of the Confined Disposal Facility (CDF) contained various areas of standing. Monitoring wells MW-2 and MW-3 are located in this area. No standing water was observed in the vicinity of





Mr. Maurice Beaudoin
U.S. Army Corps of Engineers

2

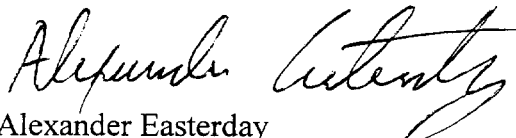
04/15/99

these two wells. The depression area is utilized as a discharge area for rain water, which accumulates on the covers of CDF cells.

Please call me at (978) 772-7190, if you have any questions regarding this Letter Report.

Very Truly Yours,

ROY F. WESTON, INC.


Alexander Easterday
Senior Geologist

AE/xx

cc: R. Rico (WESTON)
D. Abrahamson [WESTON DCN File (2)]
M. Otis (CENAE)
Project File (DVN)



Lancaster Laboratories

A division of Thermo Analytical Inc.

Where quality is a science

January 20, 1999

Mr. Al Easterday
Roy F. Weston
One Wall Street
Manchester, NH 03101-1501

Dear Mr. Easterday:

Upon further review of the data for Lancaster Laboratories Sample Nos. 3062407-3062430, it was found that these samples were analyzed according to EPA SW-846 7421 protocol and not analyzed according to Army Corps of Engineers protocol which requires a post digest spike be performed on each sample. The samples were reanalyzed by Army Corps of Engineers protocol and the new reports are included with this letter.

I hope this has not resulted in any inconvenience. If you have any questions, please call me at 717-656-2300, Ext. 1207.

Sincerely,

Robert Strocko, Jr. B.S.
Group Leader
Metals

RS/kw
Enclosure

*Report date 1/22/99
use this data*

Lancaster Laboratories
2425 New Holland Pike
PO Box 12425
Lancaster, PA 17605-2425
717-656-2300 Fax: 717-656-2681

Shipping Address:
Lancaster Laboratories
2425 New Holland Pike
Lancaster, PA 17601
717-656-2300 Fax: 717-656-2681

Environmental • Foods • Pharmaceuticals



A subsidiary of Thermo TerraTech Inc., a Thermo Electron company



Lancaster Laboratories
A division of Thermo Analytical Inc.

Page: 1 of 3

LLI Sample No. WW 3062407

Collected: 12/21/98 at 10:25 by AE

Submitted: 12/23/98 Reported: 1/22/99

Discard: 1/30/99

001-1298 Grab Water Sample

New Bedford Harbor - MA -USACE

001-- SDG#: NBH06-01

Account No: 08947
Roy F. Weston, Inc.
1 Wall Street
Manchester NH 03101-1501

P.O. LL-2139-A7
Rel. 03886-118-002

CAT NO.	ANALYSIS NAME	AS RECEIVED		
		RESULTS	METHOD DETECTION LIMIT	UNITS
1749	Cadmium	N.D.	0.0017	mg/l
1751	Chromium	N.D.	0.0054	mg/l
1753	Copper	N.D.	0.0058	mg/l
1055	Lead (furnace method)	N.D.	0.0019	mg/l
0173	PCBs in Water	0.0037		

See Page 2

1 COPY TO Roy F. Weston, Inc.
1 COPY TO Data Package Group

ATTN: Mr. Al Easterday

Questions? Contact your Client Services Representative
Tan H. Vo at (717) 656-2300
04:02:33 D 0002 24 REP 135166 646255
288 15.00 00020200 ASR000



Lancaster Laboratories
2425 New Holland Pike
PO Box 12425
Lancaster, PA 17605-2425
717-656-2300 Fax: 717-656-2681

Respectfully Submitted
Robert Strocko, Jr., B.S.
Group Leader, Metals Analysis

See reverse side for explanation of symbols and abbreviations.

2216 Rev. 8/4/97





Lancaster Laboratories
A division of Thermo Analytical Inc.

Page: 2 of 3

LLI Sample No. WW 3062407

Collected: 12/21/98 at 10:25 by AE

Submitted: 12/23/98 Reported: 1/22/99

Discard: 1/30/99

001-1298 Grab Water Sample

New Bedford Harbor - MA -USACE

001-- SDG#: NBH06-01

Account No: 08947
Roy F. Weston, Inc.
1 Wall Street
Manchester NH 03101-1501

P.O. LL-2139-A7
Ref. 03886-118-002

CAT NO.	ANALYSIS NAME	AS RECEIVED		
		RESULTS	METHOD DETECTION LIMIT	UNITS
PCBs in Water				
0639	PCB-1016	N.D.	0.097	ug/l
0640	PCB-1221	N.D.	0.097	ug/l
0641	PCB-1232	N.D.	0.097	ug/l
0642	PCB-1242	N.D.	0.097	ug/l
0643	PCB-1248	N.D.	0.097	ug/l
0644	PCB-1254	N.D.	0.097	ug/l
0645	PCB-1260	N.D.	0.097	ug/l

Questions? Contact your Client Services Representative
Tan H. Vo at (717) 656-2300

Respectfully Submitted
Jenifer E. Hess, B.S.
Group Leader Pesticides/PCBs



Lancaster Laboratories
2425 New Holland Pike
PO Box 12425
Lancaster, PA 17605-2425
717-656-2300 Fax 717-656-2681

See reverse side for explanation of symbols and abbreviations.

2216 Rev. 8/4/97





Lancaster Laboratories
A division of Thermo Analytical Inc.

LABORATORY CHRONICLE

Page: 3 of 3

LLI Sample No. **ww 3062407**

Collected: 12/21/98 at 10:25 by AE

Submitted: 12/23/98

001-1298 Grab Water Sample

New Bedford Harbor - MA -USACE

001-- SDG#: NBH06-01

Account No: 08947
Roy F. Weston, Inc.
1 Wall Street
Manchester NH 03101-1501

CAT NO	ANALYSIS NAME	METHOD	TRIAL	ANALYSIS ID	DATE AND TIME	ANALYST
1749	Cadmium	SW-846 6010B	1		12/29/98 2050	Christine R. Fritz
1751	Chromium	SW-846 6010B	1		12/29/98 2050	Christine R. Fritz
1753	Copper	SW-846 6010B	1		12/29/98 2050	Christine R. Fritz
1848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1		12/28/98 1815	Marie D. Kimmel
1055	Lead (furnace method)	SW-846 7421	2		01/19/99 0841	Heidi L. Strausser
5704	WW/TL SW 846 GFAA Digest tot	SW-846 3020A	1		12/28/98 1815	Marie D. Kimmel
0173	PCBs in Water	SW-846 8082	1		12/29/98 1952	Rick Shober
0817	Water Sample Pest. Extraction	SW-846 3510C	1		12/28/98 1000	Lisa J. Cooke



Lancaster Laboratories
2425 New Holland Pike
PO Box 12425
Lancaster, PA 17605-2425
717-656-2300 Fax 717-656-2681

See reverse side for explanation of symbols and abbreviations.

2216 Rev. 8/4/97





Lancaster Laboratories
A division of Thermo Analytical Inc.

Page: 1 of 3

LLI Sample No. WW 3062408

Collected: 12/21/98 at 10:25 by AE

Submitted: 12/23/98 Reported: 1/22/99

Discard: 1/30/99

001-1298 Filtered Grab Water Sample

New Bedford Harbor - MA -USACE

001F- SDG#: NBH06-02

Account No: 08947
Roy F. Weston, Inc.
1 Wall Street
Manchester NH 03101-1501

P.O. LL-2139-A7
Ref. 03886-118-002

CAT NO.	ANALYSIS NAME	AS RECEIVED		
		RESULTS	METHOD DETECTION LIMIT	UNITS
1749	Cadmium	N.D.	0.0017	mg/l
1751	Chromium	N.D.	0.0054	mg/l
1753	Copper	N.D.	0.0058	mg/l
1055	Lead (furnace method)	N.D.	0.0019	mg/l
0173	PCBs in Water			

See Page 2

This sample was field filtered for dissolved metals and PCBs.

1 COPY TO Roy F. Weston, Inc.
1 COPY TO Data Package Group

ATTN: Mr. Al Easterday

Questions? Contact your Client Services Representative
Tan H. Vo at (717) 656-2300
04:03:23 D 0002 24 REP 135166 646255
288 15.00 00020200 ASR000



Lancaster Laboratories
2425 New Holland Pike
PO Box 12425
Lancaster, PA 17605-2425
717-656-2300 Fax 717-656-2681

Respectfully Submitted
Robert Strocko, Jr., B.S.
Group Leader, Metals Analysis

See reverse side for explanation of symbols and abbreviations.

2216 Rev. 8/4/97





LLI Sample No. WW 3062408

Collected: 12/21/98 at 10:25 by AE

Submitted: 12/23/98 Reported: 1/22/99

Discard: 1/30/99

001-1298 Filtered Grab Water Sample

New Bedford Harbor - MA -USACE

001F- SDG#: NBH06-02

Account No: 08947
Roy F. Weston, Inc.
1 Wall Street
Manchester NH 03101-1501

P.O. LL-2139-A7
Rel. 03886-118-002

CAT NO.	ANALYSIS NAME	AS RECEIVED		
		RESULTS	METHOD DETECTION LIMIT	UNITS
PCBs in Water				
0639	PCB-1016	N.D.	0.10	ug/l
0640	PCB-1221	N.D.	0.10	ug/l
0641	PCB-1232	N.D.	0.10	ug/l
0642	PCB-1242	N.D.	0.10	ug/l
0643	PCB-1248	N.D.	0.10	ug/l
0644	PCB-1254	N.D.	0.10	ug/l
0645	PCB-1260	N.D.	0.10	ug/l

Questions? Contact your Client Services Representative
Tan H. Vo at (717) 656-2300



Lancaster Laboratories
2425 New Holland Pike
PO Box 12425
Lancaster, PA 17605-2425
717-656-2300 Fax: 717-656-2681

Respectfully Submitted
Jenifer E. Hess, B.S.
Group Leader Pesticides/PCBs





Lancaster Laboratories
A division of Thermo Analytical Inc.

LABORATORY CHRONICLE

Page: 3 of 3

LLI Sample No. WW 3062408

Collected: 12/21/98 at 10:25 by AE

Submitted: 12/23/98

Account No: 08947
Roy F. Weston, Inc.
1 Wall Street
Manchester NH 03101-1501

001-1298 Filtered Grab Water Sample

New Bedford Harbor - MA -USACE

001F- SDG#: NBH06-02

CAT NO	ANALYSIS NAME	METHOD	TRIAL	ANALYSIS ID	DATE AND TIME	ANALYST
1749	Cadmium	SW-846 6010B	1		12/29/98 2231	Donna R. Sackett
1751	Chromium	SW-846 6010B	1		12/29/98 2231	Donna R. Sackett
1753	Copper	SW-846 6010B	1		12/29/98 2231	Donna R. Sackett
1848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1		12/28/98 2312	Annamaria Stipkovits
1055	Lead (furnace method)	SW-846 7421	2		01/15/99 1400	Julie A. Slaughenhaupt
5704	WW/TL SW 846 GFAA Digest tot	SW-846 3020A	1		12/28/98 2312	Annamaria Stipkovits
0173	PCBs in Water	SW-846 8082	1		12/30/98 0202	Rick Shober
0817	Water Sample Pest. Extraction	SW-846 3510C	1		12/28/98 0700	Nathaniel R. Kurtz



Lancaster Laboratories
2425 New Holland Pike
PO Box 12425
Lancaster, PA 17605-2425
717-656-2300 Fax 717-656-2681

See reverse side for explanation of symbols and abbreviations.

2216 Rev 8/4/97





LLI Sample No. ww 3062409

Collected: 12/21/98 at 10:25 by AE

Submitted: 12/23/98 Reported: 1/22/99

Discard: 1/30/99

101-1298 Grab Water Sample

New Bedford Harbor - MA -USACE

101-- SDG#: NBH06-03

Account No: 08947
Roy F. Weston, Inc.
1 Wall Street
Manchester NH 03101-1501

P.O. LL-2139-A7
Ref. 03886-118-002

CAT NO.	ANALYSIS NAME	AS RECEIVED		
		RESULTS	METHOD DETECTION LIMIT	UNITS
1749	Cadmium	N.D.	0.0017	mg/l
1751	Chromium	N.D.	0.0054	mg/l
1753	Copper	N.D.	0.0058	mg/l
1055	Lead (furnace method)	0.0031	0.0019	mg/l
0173	PCBs in Water			See Page 2

1 COPY TO Roy F. Weston, Inc.
1 COPY TO Data Package Group

ATTN: Mr. Al Easterday

Questions? Contact your Client Services Representative
Tan H. Vo at (717) 656-2300
04:04:06 D 0002 24 REP 135166 646255
288 15.00 00020200 ASR000



Lancaster Laboratories
2425 New Holland Pike
PO Box 12425
Lancaster, PA 17605-2425
717-656-2300 Fax 717-656-2681

Respectfully Submitted
Robert Strocko, Jr., B.S.
Group Leader, Metals Analysis





LLI Sample No. **ww 3062409**

Collected: 12/21/98 at 10:25 by AE

Submitted: 12/23/98 Reported: 1/22/99

Discard: 1/30/99

101-1298 Grab Water Sample

New Bedford Harbor - MA -USACE

101-- SDG#: NBH06-03

Account No: 08947
Roy F. Weston, Inc.
1 Wall Street
Manchester NH 03101-1501

P.O. LL-2139-A7
Rel. 03886-118-002

CAT NO.	ANALYSIS NAME	AS RECEIVED		
		RESULTS	METHOD DETECTION LIMIT	UNITS
PCBs in Water				
0639	PCB-1016	N.D.	0.096	ug/l
0640	PCB-1221	N.D.	0.096	ug/l
0641	PCB-1232	N.D.	0.096	ug/l
0642	PCB-1242	N.D.	0.096	ug/l
0643	PCB-1248	N.D.	0.096	ug/l
0644	PCB-1254	N.D.	0.096	ug/l
0645	PCB-1260	N.D.	0.096	ug/l

Questions? Contact your Client Services Representative
Tan H. Vo at (717) 656-2300



Lancaster Laboratories
2425 New Holland Pike
PO Box 12425
Lancaster, PA 17605-2425
717-656-2300 Fax 717-656-2681

Respectfully Submitted
Jenifer E. Hess, B.S.
Group Leader Pesticides/PCBs





Lancaster Laboratories
A division of Thermo Analytical Inc.

LABORATORY CHRONICLE

Page: 3 of 3

LLI Sample No. **WW 3062409**

Collected: 12/21/98 at 10:25 by AE

Submitted: 12/23/98

101-1298 Grab Water Sample

New Bedford Harbor - MA -USACE

101-- SDG#: NBH06-03

Account No: 08947
Roy F. Weston, Inc.
1 Wall Street
Manchester NH 03101-1501

CAT NO	ANALYSIS NAME	METHOD	TRIAL	ANALYSIS ID	DATE AND TIME	ANALYST
1749	Cadmium	SW-846 6010B	1		12/29/98 2054	Christine R. Fritz
1751	Chromium	SW-846 6010B	1		12/29/98 2054	Christine R. Fritz
1753	Copper	SW-846 6010B	1		12/29/98 2054	Christine R. Fritz
1848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1		12/28/98 1815	Marie D. Kimmel
1055	Lead (furnace method)	SW-846 7421	2		01/19/99 0850	Heidi L. Strausser
5704	WW/TL SW 846 GFAA Digest tot	SW-846 3020A	1		12/28/98 1815	Marie D. Kimmel
0173	PCBs in Water	SW-846 8082	1		12/29/98 2009	Rick Shober
0817	Water Sample Pest. Extraction	SW-846 3510C	1		12/28/98 1000	Lisa J. Cooke



Lancaster Laboratories
2425 New Holland Pike
PO Box 12425
Lancaster, PA 17605-2425
717-656-2300 Fax: 717-656-2681

See reverse side for explanation of symbols and abbreviations.

2216 Rev. 8/4/97





Lancaster Laboratories
A division of Thermo Analytical Inc.

Page: 1 of 3

LLI Sample No. WW 3062410

Collected: 12/21/98 at 10:25 by AE

Submitted: 12/23/98 Reported: 1/22/99

Discard: 1/30/99

101-1298 Filtered Grab Water Sample

New Bedford Harbor - MA -USACE

101F- SDG#: NBH06-04

Account No: 08947
Roy F. Weston, Inc.
1 Wall Street
Manchester NH 03101-1501

P.O. LL-2139-A7
Ref. 03886-118-002

CAT NO.	ANALYSIS NAME	AS RECEIVED		UNITS
		RESULTS	METHOD DETECTION LIMIT	
1749	Cadmium	N.D.	0.0017	mg/l
1751	Chromium	N.D.	0.0054	mg/l
1753	Copper	N.D.	0.0058	mg/l
1055	Lead (furnace method)	N.D.	0.0019	mg/l
0173	PCBs in Water			

See Page 2

This sample was field filtered for dissolved metals and PCBs.

1 COPY TO Roy F. Weston, Inc.
1 COPY TO Data Package Group

ATTN: Mr. Al Easterday

Questions? Contact your Client Services Representative
Tan H. Vo at (717) 656-2300
04:04:45 D 0002 24 REP 135166 646255
288 15.00 00020200 ASR000



Lancaster Laboratories
2425 New Holland Pike
PO Box 12425
Lancaster, PA 17605-2425
717-656-2300 Fax: 717-656-2681

Respectfully Submitted
Robert Strocko, Jr., B.S.
Group Leader, Metals Analysis





Lancaster Laboratories
A division of Thermo Analytical Inc.

Page: 2 of 3

LLI Sample No. WW 3062410

Collected: 12/21/98 at 10:25 by AE

Submitted: 12/23/98 Reported: 1/22/99

Discard: 1/30/99

101-1298 Filtered Grab Water Sample

New Bedford Harbor - MA -USACE

101F- SDG#: NBH06-04

Account No: 08947
Roy F. Weston, Inc.
1 Wall Street
Manchester NH 03101-1501

P.O. LL-2139-A7
Rel. 03886-118-002

CAT NO.	ANALYSIS NAME	AS RECEIVED		
		RESULTS	METHOD DETECTION LIMIT	UNITS
PCBs in Water				
0639	PCB-1016	N.D.	0.095	ug/l
0640	PCB-1221	N.D.	0.095	ug/l
0641	PCB-1232	N.D.	0.095	ug/l
0642	PCB-1242	N.D.	0.095	ug/l
0643	PCB-1248	N.D.	0.095	ug/l
0644	PCB-1254	N.D.	0.095	ug/l
0645	PCB-1260	N.D.	0.095	ug/l

Questions? Contact your Client Services Representative
Tan H. Vo at (717) 656-2300

Respectfully Submitted
Jenifer E. Hess, B.S.
Group Leader Pesticides/PCBs



Lancaster Laboratories
2425 New Holland Pike
PO Box 12425
Lancaster, PA 17605-2425
717-656-2300 Fax: 717-656-2681

See reverse side for explanation of symbols and abbreviations.

2216 Rev. 8/4/97





LLI Sample No. WW 3062410

Collected: 12/21/98 at 10:25 by AE

Submitted: 12/23/98

Account No: 08947
Roy F. Weston, Inc.
1 Wall Street
Manchester NH 03101-1501

101-1298 Filtered Grab Water Sample

New Bedford Harbor - MA -USACE
101F- SDG#: NBH06-04

CAT NO	ANALYSIS NAME	METHOD	TRIAL	ANALYSIS ID	DATE AND TIME	ANALYST
1749	Cadmium	SW-846 6010B	1		12/29/98 2236	Donna R. Sackett
1751	Chromium	SW-846 6010B	1		12/29/98 2236	Donna R. Sackett
1753	Copper	SW-846 6010B	1		12/29/98 2236	Donna R. Sackett
1848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1		12/28/98 2312	Annamaria Stipkovits
1055	Lead (furnace method)	SW-846 7421	2		01/15/99 1410	Julie A. Slaughenhaupt
5704	WW/TL SW 846 GFAA Digest tot	SW-846 3020A	1		12/28/98 2312	Annamaria Stipkovits
0173	PCBs in Water	SW-846 8082	1		12/30/98 0219	Rick Shober
0817	Water Sample Pest. Extraction	SW-846 3510C	1		12/28/98 0700	Nathaniel R. Kurtz



Lancaster Laboratories
2425 New Holland Pike
PO Box 12425
Lancaster, PA 17605-2425
717-656-2300 Fax: 717-656-2681





LLI Sample No. WW 3062411

Collected: 12/21/98 at 15:20 by AE

Submitted: 12/23/98 Reported: 1/22/99

Discard: 1/30/99

002-1298 Grab Water Sample

New Bedford Harbor - MA -USACE

002-- SDG#: NBH06-05

Account No: 08947
Roy F. Weston, Inc.
1 Wall Street
Manchester NH 03101-1501

P.O. LL-2139-A7
Ref. 03886-118-002

CAT NO.	ANALYSIS NAME	AS RECEIVED		
		RESULTS	METHOD DETECTION LIMIT	UNITS
1749	Cadmium	N.D.	0.0017	mg/l
1751	Chromium	N.D.	0.0054	mg/l
1753	Copper	N.D.	0.0058	mg/l
1055	Lead (furnace method)	N.D. <i>WJ</i>	0.0095	mg/l
	The quantitation limit for lead was increased due to the nature of the sample matrix.			
0173	PCBs in Water			

See Page 2

1 COPY TO Roy F. Weston, Inc.
1 COPY TO Data Package Group

ATTN: Mr. Al Easterday

Questions? Contact your Client Services Representative
Tan H. Vo at (717) 656-2300
04:05:31 D 0002 24 REP 135166 646255
288 15.00 00020200 ASR000



Lancaster Laboratories
2425 New Holland Pike
PO Box 12425
Lancaster, PA 17605-2425
717-656-2300 Fax 717-656-2681

Respectfully Submitted
Robert Strocko, Jr., B.S.
Group Leader, Metals Analysis





LLI Sample No. WW 3062411

Collected: 12/21/98 at 15:20 by AE

Submitted: 12/23/98 Reported: 1/22/99

Discard: 1/30/99

002-1298 Grab Water Sample

New Bedford Harbor - MA -USACE

002-- SDG#: NBH06-05

Account No: 08947
Roy F. Weston, Inc.
1 Wall Street
Manchester NH 03101-1501

P.O. LL-2139-A7
Ref. 03886-118-002

CAT
NO. ANALYSIS NAME

AS RECEIVED
RESULTS METHOD
DETECTION LIMIT UNITS

PCBs in Water

0639	PCB-1016	N.D.	0.095	ug/l
0640	PCB-1221	N.D.	0.095	ug/l
0641	PCB-1232	N.D.	0.095	ug/l
0642	PCB-1242	N.D.	0.095	ug/l
0643	PCB-1248	N.D.	0.095	ug/l
0644	PCB-1254	N.D.	0.095	ug/l
0645	PCB-1260	N.D.	0.095	ug/l

Questions? Contact your Client Services Representative
Tan H. Vo at (717) 656-2300



Lancaster Laboratories
2425 New Holland Pike
PO Box 12425
Lancaster, PA 17605-2425
717-656-2300 Fax: 717-656-2681

Respectfully Submitted
Jenifer E. Hess, B.S.
Group Leader Pesticides/PCBs





Lancaster Laboratories
A division of Thermo Analytical Inc.

LABORATORY CHRONICLE

Page: 3 of 3

LLI Sample No. **ww 3062411**

Collected: 12/21/98 at 15:20 by AE

Submitted: 12/23/98

002-1298 Grab Water Sample

New Bedford Harbor - MA -USACE

002-- SDG#: NBH06-05

Account No: 08947
Roy F. Weston, Inc.
1 Wall Street
Manchester NH 03101-1501

CAT NO	ANALYSIS NAME	METHOD	TRIAL	ANALYSIS ID	DATE AND TIME	ANALYST
1749	Cadmium	SW-846 6010B	1		12/29/98 2107	Christine R. Fritz
1751	Chromium	SW-846 6010B	1		12/29/98 2107	Christine R. Fritz
1753	Copper	SW-846 6010B	1		12/29/98 2107	Christine R. Fritz
1848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1		12/28/98 1815	Marie D. Kimmel
1055	Lead (furnace method)	SW-846 7421	2		01/15/99 2144	Jolene M. Schields
5704	WW/TL SW 846 GFAA Digest tot	SW-846 3020A	1		12/28/98 1815	Marie D. Kimmel
0173	PCBs in Water	SW-846 8082	1		12/29/98 2026	Rick Shober
0817	Water Sample Pest. Extraction	SW-846 3510C	1		12/28/98 1000	Lisa J. Cooke



Lancaster Laboratories
2425 New Holland Pike
PO Box 12425
Lancaster, PA 17605-2425
717-656-2300 Fax 717-656-2681

See reverse side for explanation of symbols and abbreviations.

2216 Rev 8/4/97





Lancaster Laboratories
A division of Thermo Analytical Inc.

Page: 1 of 3

LLI Sample No. **WW 3062412**

Collected: 12/21/98 at 15:20 by AE

Submitted: 12/23/98 Reported: 1/22/99

Discard: 1/30/99

002-1298 Filtered Grab Water Sample

New Bedford Harbor - MA -USACE

002F- SDG#: NBH06-06

Account No: 08947
Roy F. Weston, Inc.
1 Wall Street
Manchester NH 03101-1501

P.O. LL-2139-A7
Ref. 03886-118-002

CAT NO.	ANALYSIS NAME	AS RECEIVED		
		RESULTS	METHOD DETECTION LIMIT	UNITS
1749	Cadmium	N.D.	0.0017	mg/l
1751	Chromium	N.D.	0.0054	mg/l
1753	Copper	N.D.	0.0058	mg/l
1055	Lead (furnace method)	N.D. <i>UT</i>	0.0095	mg/l
	The quantitation limit for lead was increased due to the nature of the sample matrix.			
0173	PCBs in Water			

See Page 2

This sample was field filtered for dissolved metals and PCBs.

1 COPY TO Roy F. Weston, Inc.
1 COPY TO Data Package Group

ATTN: Mr. Al Easterday

Questions? Contact your Client Services Representative
Tan H. Vo at (717) 656-2300
04:06:15 D 0002 24 REP 135166 646255
288 15.00 00020200 ASR000



Lancaster Laboratories
2425 New Holland Pike
PO Box 12425
Lancaster, PA 17605-2425
717-656-2300 Fax: 717-656-2681

Respectfully Submitted
Robert Strocko, Jr., B.S.
Group Leader, Metals Analysis

See reverse side for explanation of symbols and abbreviations.

2216 Rev. 8/4/97





LLI Sample No. WW 3062412

Collected: 12/21/98 at 15:20 by AE

Submitted: 12/23/98 Reported: 1/22/99

Discard: 1/30/99

002-1298 Filtered Grab Water Sample

New Bedford Harbor - MA -USACE

002F- SDG#: NBH06-06

Account No: 08947
Roy F. Weston, Inc.
1 Wall Street
Manchester NH 03101-1501

P.O. LL-2139-A7
Ref. 03886-118-002

CAT

NO. ANALYSIS NAME

AS RECEIVED

METHOD

RESULTS DETECTION LIMIT UNITS

PCBs in Water

0639	PCB-1016	N.D.	0.098	ug/l
0640	PCB-1221	N.D.	0.098	ug/l
0641	PCB-1232	N.D.	0.098	ug/l
0642	PCB-1242	N.D.	0.098	ug/l
0643	PCB-1248	N.D.	0.098	ug/l
0644	PCB-1254	N.D.	0.098	ug/l
0645	PCB-1260	N.D.	0.098	ug/l

Questions? Contact your Client Services Representative
Tan H. Vo at (717) 656-2300

Respectfully Submitted
Jenifer E. Hess, B.S.
Group Leader Pesticides/PCBs



Lancaster Laboratories
2425 New Holland Pike
PO Box 12425
Lancaster, PA 17605-2425
717-656-2300 Fax 717-656-2681

See reverse side for explanation of symbols and abbreviations.

2216 Rev. 8/4/97





Lancaster Laboratories
A division of Thermo Analytical Inc.

LABORATORY CHRONICLE

Page: 3 of 3

LLI Sample No. WW 3062412

Collected: 12/21/98 at 15:20 by AE

Submitted: 12/23/98

Account No: 08947
Roy F. Weston, Inc.
1 Wall Street
Manchester NH 03101-1501

002-1298 Filtered Grab Water Sample

New Bedford Harbor - MA -USACE

002F- SDG#: NBH06-06

CAT NO	ANALYSIS NAME	METHOD	TRIAL	ANALYSIS ID	DATE AND TIME	ANALYST
1749	Cadmium	SW-846 6010B	1		12/29/98 2249	Donna R. Sackett
1751	Chromium	SW-846 6010B	1		12/29/98 2249	Donna R. Sackett
1753	Copper	SW-846 6010B	1		12/29/98 2249	Donna R. Sackett
1848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1		12/28/98 2312	Annamaria Stipkovits
1055	Lead (furnace method)	SW-846 7421	2		01/18/99 1126	Julie A. Slaughenhaupt
5704	WW/TL SW 846 GFAA Digest tot	SW-846 3020A	1		12/28/98 2312	Annamaria Stipkovits
0173	PCBs in Water	SW-846 8082	1		12/30/98 0310	Rick Shober
0817	Water Sample Pest. Extraction	SW-846 3510C	1		12/28/98 0700	Nathaniel R. Kurtz



Lancaster Laboratories
2425 New Holland Pike
PO Box 12425
Lancaster, PA 17605-2425
717-656-2390 Fax 717-656-2681

See reverse side for explanation of symbols and abbreviations.

2216 Rev. 8/4/97





Lancaster Laboratories
A division of Thermo Analytical Inc.

Page: 1 of 3

LLI Sample No. WW 3062413

Collected: 12/21/98 at 15:30 by AE

Submitted: 12/23/98 Reported: 1/22/99

Discard: 1/30/99

003-1298 Grab Water Sample

New Bedford Harbor - MA -USACE

003-- SDG#: NBH06-07

Account No: 08947
Roy F. Weston, Inc.
1 Wall Street
Manchester NH 03101-1501

P.O. LL-2139-A7
Ref. 03886-118-002

CAT NO.	ANALYSIS NAME	AS RECEIVED		METHOD	DETECTION LIMIT	UNITS
		RESULTS				
1749	Cadmium	0.0022 J		0.0017		mg/l
1751	Chromium	N.D.		0.0054		mg/l
1753	Copper	0.143		0.0058		mg/l
1055	Lead (furnace method)	N.D.	UT	0.0095		mg/l
	The quantitation limit for lead was increased due to the nature of the sample matrix.					
0173	PCBs in Water					

See Page 2

1 COPY TO Roy F. Weston, Inc.
1 COPY TO Data Package Group

ATTN: Mr. Al Easterday

Questions? Contact your Client Services Representative
Tan H. Vo at (717) 656-2300
04:07:03 D 0002 24 REP 135166 646255
288 15.00 00020200 ASR000



Lancaster Laboratories
2425 New Holland Pike
PO Box 12425
Lancaster, PA 17605-2425
717-656-2300 Fax: 717-656-2681

Respectfully Submitted
Robert Strocko, Jr., B.S.
Group Leader, Metals Analysis

See reverse side for explanation of symbols and abbreviations.

2216 Rev. 8/4/97





Lancaster Laboratories
A division of Thermo Analytical Inc.

Page: 2 of 3

LLI Sample No. WW 3062413

Collected: 12/21/98 at 15:30 by AE

Submitted: 12/23/98 Reported: 1/22/99

Discard: 1/30/99

003-1298 Grab Water Sample

New Bedford Harbor - MA -USACE

003-- SDG#: NBH06-07

Account No: 08947
Roy F. Weston, Inc.
1 Wall Street
Manchester NH 03101-1501

P.O. LL-2139-A7
Rel. 03886-118-002

CAT
NO. ANALYSIS NAME

AS RECEIVED
METHOD
RESULTS DETECTION LIMIT UNITS

PCBs in Water

0639	PCB-1016	N.D.	0.096	ug/l
0640	PCB-1221	N.D.	0.096	ug/l
0641	PCB-1232	N.D.	0.096	ug/l
0642	PCB-1242	N.D.	0.096	ug/l
0643	PCB-1248	N.D.	0.096	ug/l
0644	PCB-1254	N.D.	0.096	ug/l
0645	PCB-1260	N.D.	0.096	ug/l

Questions? Contact your Client Services Representative
Tan H. Vo at (717) 656-2300

Respectfully Submitted
Jenifer E. Hess, B.S.
Group Leader Pesticides/PCBs



Lancaster Laboratories
2425 New Holland Pike
PO Box 12425
Lancaster, PA 17605-2425
717-656-2300 Fax 717-656-2681

See reverse side for explanation of symbols and abbreviations

2216 Rev. 8/4/97





LLI Sample No. WW 3062413

Collected: 12/21/98 at 15:30 by AE

Submitted: 12/23/98

003-1298 Grab Water Sample

New Bedford Harbor - MA -USACE

003-- SDG#: NBH06-07

Account No: 08947
Roy F. Weston, Inc.
1 Wall Street
Manchester NH 03101-1501

CAT NO	ANALYSIS NAME	METHOD	TRIAL	ANALYSIS ID	DATE AND TIME	ANALYST
1749	Cadmium	SW-846 6010B	1		12/29/98 2112	Christine R. Fritz
1751	Chromium	SW-846 6010B	1		12/29/98 2112	Christine R. Fritz
1753	Copper	SW-846 6010B	1		12/29/98 2112	Christine R. Fritz
1848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1		12/28/98 1815	Marie D. Kimmel
1055	Lead (furnace method)	SW-846 7421	2		01/15/99 2154	Jolene M. Schields
5704	WW/TL SW 846 GFAA Digest tot	SW-846 3020A	1		12/28/98 1815	Marie D. Kimmel
0173	PCBs in Water	SW-846 8082	1		12/29/98 2134	Rick Shober
0817	Water Sample Pest. Extraction	SW-846 3510C	1		12/28/98 1000	Lisa J. Cooke





LLI Sample No. WW 3062414

Collected: 12/21/98 at 15:30 by AE

Submitted: 12/23/98 Reported: 1/22/99

Discard: 1/30/99

003-1298 Filtered Grab Water Sample

New Bedford Harbor - MA -USACE

003F- SDG#: NBH06-08

Account No: 08947
Roy F. Weston, Inc.
1 Wall Street
Manchester NH 03101-1501

P.O. LL-2139-A7
Rel. 03886-118-002

CAT NO.	ANALYSIS NAME	AS RECEIVED		
		RESULTS	METHOD	DETECTION LIMIT UNITS
1749	Cadmium	0.0024 J	0.0017	mg/l
1751	Chromium	N.D.	0.0054	mg/l
1753	Copper	0.143	0.0058	mg/l
1055	Lead (furnace method)	N.D. <i>UTS</i>	0.0095	mg/l
	The quantitation limit for lead was increased due to the nature of the sample matrix.			
0173	PCBs in Water			

See Page 2

This sample was field filtered for dissolved metals and PCBs.

1 COPY TO Roy F. Weston, Inc.
1 COPY TO Data Package Group

ATTN: Mr. Al Easterday

Questions? Contact your Client Services Representative
Tan H. Vo at (717) 656-2300
04:07:48 D 0002 24 REP 135166 646255
288 15.00 00020200 ASR000



Lancaster Laboratories
2425 New Holland Pike
PO Box 12425
Lancaster, PA 17605-2425
(717) 656-2300 Fax (717) 656-2681

Respectfully Submitted
Robert Strocko, Jr., B.S.
Group Leader, Metals Analysis





Lancaster Laboratories
A division of Thermo Analytical Inc.

Page: 2 of 3

LLI Sample No. WW 3062414

Collected: 12/21/98 at 15:30 by AE

Submitted: 12/23/98 Reported: 1/22/99

Discard: 1/30/99

003-1298 Filtered Grab Water Sample

New Bedford Harbor - MA -USACE

003F- SDG#: NBH06-08

Account No: 08947
Roy F. Weston, Inc.
1 Wall Street
Manchester NH 03101-1501

P.O. LL-2139-A7
Ref. 03886-118-002

CAT NO.	ANALYSIS NAME	AS RECEIVED		
		RESULTS	METHOD DETECTION LIMIT	UNITS
PCBs in Water				
0639	PCB-1016	N.D.	0.096	ug/l
0640	PCB-1221	N.D.	0.096	ug/l
0641	PCB-1232	N.D.	0.096	ug/l
0642	PCB-1242	N.D.	0.096	ug/l
0643	PCB-1248	N.D.	0.096	ug/l
0644	PCB-1254	N.D.	0.096	ug/l
0645	PCB-1260	N.D.	0.096	ug/l

Questions? Contact your Client Services Representative
Tan H. Vo at (717) 656-2300



Lancaster Laboratories
2425 New Holland Pike
PO Box 12425
Lancaster, PA 17605-2425
Tel: (717) 656-2300 Fax: (717) 656-2301

Respectfully Submitted
Jenifer E. Hess, B.S.
Group Leader Pesticides/PCBs

See report for the explanation of symbols and abbreviations.

2216 Rev. 8/4/97





LLI Sample No. WW 3062414

Collected: 12/21/98 at 15:30 by AE

Submitted: 12/23/98

003-1298 Filtered Grab Water Sample

New Bedford Harbor - MA -USACE

003F- SDG#: NBH06-08

Account No: 08947
Roy F. Weston, Inc.
1 Wall Street
Manchester NH 03101-1501

CAT NO	ANALYSIS NAME	METHOD	ANALYSIS			ANALYST
			TRIAL	ID	DATE AND TIME	
1749	Cadmium	SW-846 6010B	1		12/29/98 2253	Donna R. Sackett
1751	Chromium	SW-846 6010B	1		12/29/98 2253	Donna R. Sackett
1753	Copper	SW-846 6010B	1		12/29/98 2253	Donna R. Sackett
1848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1		12/28/98 2312	Annamaria Stipkovits
1055	Lead (furnace method)	SW-846 7421	2		01/18/99 1136	Julie A. Slaughenhaupt
5704	WW/TL SW 846 GFAA Digest tot	SW-846 3020A	1		12/28/98 2312	Annamaria Stipkovits
0173	PCBs in Water	SW-846 8082	1		12/30/98 0328	Rick Shober
0817	Water Sample Pest. Extraction	SW-846 3510C	1		12/28/98 0700	Nathaniel R. Kurtz





Lancaster Laboratories

A division of Thermo Analytical Inc.

Page: 1 of 3

LLI Sample No. WW 3062415

Collected: 12/21/98 at 13:15 by AE

Submitted: 12/23/98 Reported: 1/22/99

Discard: 1/30/99

004-1298 Unspiked Grab Water Sample

New Bedford Harbor - MA -USACE

004-- SDG#: NBH06-09BKG

Account No: 08947
Roy F. Weston, Inc.
1 Wall Street
Manchester NH 03101-1501

P.O. LL-2139-A7
Ref. 03886-118-002

AS RECEIVED

CAT NO.	ANALYSIS NAME	RESULTS	METHOD	
			DETECTION	LIMIT UNITS
1749	Cadmium	N.D.	0.0017	mg/l
1751	Chromium	N.D.	0.0054	mg/l
1753	Copper	N.D.	0.0058	mg/l
1055	Lead (furnace method)	N.D. <i>JS</i>	0.0095	mg/l
	The quantitation limit for lead was increased due to the nature of the sample matrix.			
0173	PCBs in Water			

See Page 2

1 COPY TO Roy F. Weston, Inc.
1 COPY TO Data Package Group

ATTN: Mr. Al Easterday

Questions? Contact your Client Services Representative
Tan H. Vo at (717) 656-2300
04:08:33 D 0002 24 REP 135166 646255
288 15.00 00020200 ASR000



Lancaster Laboratories
2425 New Holland Pike
PO Box 12425
Lancaster, PA 17605-2425
Tel: (717) 656-2300 Fax: (717) 656-2301

Respectfully Submitted
Robert Strocko, Jr., B.S.
Group Leader, Metals Analysis

See reverse side for explanation of symbols and abbreviations.

1216 Rev. 8/27/97





Lancaster Laboratories
A division of Thermo Analytical Inc.

Page: 2 of 3

LLI Sample No. WW 3062415

Collected: 12/21/98 at 13:15 by AE

Submitted: 12/23/98 Reported: 1/22/99

Discard: 1/30/99

004-1298 Unspiked Grab Water Sample

New Bedford Harbor - MA -USACE

004-- SDG#: NBH06-09BKG

Account No: 08947
Roy F. Weston, Inc.
1 Wall Street
Manchester NH 03101-1501

P.O. LL-2139-A7
Ref. 03886-118-002

AS RECEIVED

METHOD

CAT
NO. ANALYSIS NAME

RESULTS DETECTION LIMIT UNITS

PCBs in Water

0639	PCB-1016	N.D.	0.10	ug/l
0640	PCB-1221	N.D.	0.10	ug/l
0641	PCB-1232	N.D.	0.10	ug/l
0642	PCB-1242	N.D.	0.10	ug/l
0643	PCB-1248	N.D.	0.10	ug/l
0644	PCB-1254	N.D.	0.10	ug/l
0645	PCB-1260	N.D.	0.10	ug/l

Questions? Contact your Client Services Representative
Tan H. Vo at (717) 656-2300

Respectfully Submitted
Jenifer E. Hess, B.S.
Group Leader Pesticides/PCBs



Lancaster Laboratories
2425 New Holland Pike
PO Box 12425
Lancaster, PA 17605-2425
Phone 717-656-2300 Fax 717-656-2681

See reverse side for explanation of symbols and abbreviations.

25/96 Rev. 6/4/97





LLI Sample No. WW 3062415

Collected: 12/21/98 at 13:15 by AE

Submitted: 12/23/98

Account No: 08947
Roy F. Weston, Inc.
1 Wall Street
Manchester NH 03101-1501

004-1298 Unspiked Grab Water Sample

New Bedford Harbor - MA -USACE

004-- SDG#: NBH06-09BKG

CAT NO	ANALYSIS NAME	METHOD	TRIAL	ANALYSIS ID DATE AND TIME	ANALYST
1749	Cadmium	SW-846 6010B	1	12/29/98 1931	Christine R. Fritz
1751	Chromium	SW-846 6010B	1	12/29/98 1931	Christine R. Fritz
1753	Copper	SW-846 6010B	1	12/29/98 1931	Christine R. Fritz
1848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	12/28/98 1815	Marie D. Kimmel
1055	Lead (furnace method)	SW-846 7421	2	01/15/99 2044	Jolene M. Schields
5704	WW/TL SW 846 GFAA Digest tot	SW-846 3020A	1	12/28/98 1815	Marie D. Kimmel
0173	PCBs in Water	SW-846 8082	1	12/31/98 0727	Rick Shober
0817	Water Sample Pest. Extraction	SW-846 3510C	1	12/28/98 1000	Lisa J. Cooke



Lancaster Laboratories
2425 New Holland Pike
PO Box 12425
Lancaster, PA 17605-2425
Tel: 717-656-2300 Fax: 717-656-2031

See reverse side for explanation of symbols and abbreviations.

2216-18-1-0-475





Lancaster Laboratories

A division of Thermo Analytical Inc.

Page: 1 of 3

LLI Sample No. WW 3062416

Collected: 12/21/98 at 13:15 by AE

Submitted: 12/23/98 Reported: 1/22/99

Discard: 1/30/99

004-1298 Unspiked Filtered Grab Water Sample

New Bedford Harbor - MA -USACE

004F- SDG#: NBH06-10BKG

Account No: 08947
 Roy F. Weston, Inc.
 1 Wall Street
 Manchester NH 03101-1501

P.O. LL-2139-A7
 Rel. 03886-118-002

AS RECEIVED

CAT NO.	ANALYSIS NAME	RESULTS	METHOD	
			DETECTION	LIMIT UNITS
1749	Cadmium	N.D.	0.0017	mg/l
1751	Chromium	N.D.	0.0054	mg/l
1753	Copper	N.D.	0.0058	mg/l
1055	Lead (furnace method)	N.D.	0.0095	mg/l
	The quantitation limit for lead was increased due to the nature of the sample matrix.			
0173	PCBs in Water			

See Page 2

This sample was field filtered for dissolved metals and PCBs.

1 COPY TO Roy F. Weston, Inc.
 1 COPY TO Data Package Group

ATTN: Mr. Al Easterday

Questions? Contact your Client Services Representative
 Tan H. Vo at (717) 656-2300
 04:09:24 D 0002 24 REP 135166 646255
 288 15.00 00020200 ASR000



Lancaster Laboratories
 2425 New Holland Pike
 P.O. Box 12425
 Lancaster, PA 17605-2425
 (717) 656-2300 Fax 717-656-2681

Respectfully Submitted
 Robert Strocko, Jr., B.S.
 Group Leader, Metals Analysis





LLI Sample No. WW 3062416
Collected: 12/21/98 at 13:15 by AE

Submitted: 12/23/98 Reported: 1/22/99
Discard: 1/30/99

004-1298 Unspiked Filtered Grab Water Sample

New Bedford Harbor - MA -USACE
004F- SDG#: NBH06-10BKG

Account No: 08947
Roy F. Weston, Inc.
1 Wall Street
Manchester NH 03101-1501

P.O. LL-2139-A7
Ref. 03886-118-002

CAT NO.	ANALYSIS NAME	AS RECEIVED		
		RESULTS	METHOD DETECTION LIMIT	UNITS
PCBs in Water				
0639	PCB-1016	N.D.	0.099	ug/l
0640	PCB-1221	N.D.	0.099	ug/l
0641	PCB-1232	N.D.	0.099	ug/l
0642	PCB-1242	N.D.	0.099	ug/l
0643	PCB-1248	N.D.	0.099	ug/l
0644	PCB-1254	N.D.	0.099	ug/l
0645	PCB-1260	N.D.	0.099	ug/l

Questions? Contact your Client Services Representative
Tan H. Vo at (717) 656-2300

Respectfully Submitted
Jenifer E. Hess, B.S.
Group Leader Pesticides/PCBs

MEMBER
ACIL
Lancaster Laboratories
2425 New Holland Pike
PO Box 12425
Lancaster, PA 17605-2425
Tel: 717-656-2300 Fax: 717-656-2581

See reverse side for explanation of symbols and abbreviations.

2216 Rev. 8/4/97





LLI Sample No. WW 3062416

Collected: 12/21/98 at 13:15 by AE

Submitted: 12/23/98

Account No: 08947
Roy F. Weston, Inc.
1 Wall Street
Manchester NH 03101-1501

004-1298 Unspiked Filtered Grab Water Sample

New Bedford Harbor - MA -USACE
004F- SDG#: NBH06-10BKG

CAT NO	ANALYSIS NAME	METHOD	ANALYSIS			ANALYST
			TRIAL	ID	DATE AND TIME	
1749	Cadmium	SW-846 6010B	1		12/29/98 2205	Donna R. Sackett
1751	Chromium	SW-846 6010B	1		12/29/98 2205	Donna R. Sackett
1753	Copper	SW-846 6010B	1		12/29/98 2205	Donna R. Sackett
1848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1		12/28/98 2312	Annamaria Stipkovits
1055	Lead (furnace method)	SW-846 7421	2		01/15/99 2203	Jolene M. Schields
5704	WW/TL SW 846 GFAA Digest tot	SW-846 3020A	1		12/28/98 2312	Annamaria Stipkovits
0173	PCBs in Water	SW-846 8082	1		12/30/98 2019	Rick Shober
0817	Water Sample Pest. Extraction	SW-846 3510C	1		12/28/98 0700	Nathaniel R. Kurtz



Lancaster Laboratories
2425 New Holland Pike
PO Box 12425
Lancaster, PA 17605-2425
Tel: 717-396-2000 Fax: 717-396-2001

See reverse side for explanation of symbols and abbreviations

2016-10-10 10:00 AM



LLI Sample No. WW 3062417

Collected: 12/21/98 at 13:15 by AE

Submitted: 12/23/98 Reported: 1/22/99

Discard: 1/30/99

004-1298 Duplicate Grab Water Sample

New Bedford Harbor - MA -USACE

004-- SDG#: NBH06-09DUP

Account No: 08947
Roy F. Weston, Inc.
1 Wall Street
Manchester NH 03101-1501

P.O. LL-2139-A7
Re1. 03886-118-002

CAT NO.	ANALYSIS NAME	AS RECEIVED		
		RESULTS	METHOD DETECTION LIMIT	UNITS
1749	Cadmium	N.D.	0.0017	mg/l
1751	Chromium	N.D.	0.0054	mg/l
1753	Copper	N.D.	0.0058	mg/l
1055	Lead (furnace method)	N.D. UT	0.0095	mg/l
	The quantitation limit for lead was increased due to the nature of the sample matrix.			
0173	PCBs in Water			

See Page 2

1 COPY TO Roy F. Weston, Inc.
1 COPY TO Data Package Group

ATTN: Mr. Al Easterday

Questions? Contact your Client Services Representative
Tan H. Vo at (717) 656-2300
04:10:01 D 0002 24 REP 135166 646255
288 0.00 00000000 ASR000



Lancaster Laboratories
2425 New Holland Pike
PO Box 12425
Lancaster, PA 17605-2425
(717) 656-2300 Fax 717-656-2681

Respectfully Submitted
Robert Strocko, Jr., B.S.
Group Leader, Metals Analysis





Lancaster Laboratories

A division of Thermo Analytical Inc.

Page: 2 of 3

LLI Sample No. **WW 3062417**

Collected: 12/21/98 at 13:15 by AE

Submitted: 12/23/98 Reported: 1/22/99

Discard: 1/30/99

004-1298 Duplicate Grab Water Sample

New Bedford Harbor - MA -USACE

004-- SDG#: NBH06-09DUP

Account No: 08947
 Roy F. Weston, Inc.
 1 Wall Street
 Manchester NH 03101-1501

P.O. LL-2139-A7
 Rel. 03886-118-002

		AS RECEIVED		
CAT			METHOD	
NO.	ANALYSIS NAME	RESULTS	DETECTION LIMIT	UNITS
PCBs in Water				
0639	PCB-1016	N.D.	0.097	ug/l
0640	PCB-1221	N.D.	0.097	ug/l
0641	PCB-1232	N.D.	0.097	ug/l
0642	PCB-1242	N.D.	0.097	ug/l
0643	PCB-1248	N.D.	0.097	ug/l
0644	PCB-1254	N.D.	0.097	ug/l
0645	PCB-1260	N.D.	0.097	ug/l

Questions? Contact your Client Services Representative
 Tan H. Vo at (717) 656-2300

Respectfully Submitted
 Jenifer E. Hess, B.S.
 Group Leader Pesticides/PCBs



Lancaster Laboratories
 2425 New Holland Pike
 PO Box 12425
 Lancaster, PA 17605-2425
 Tel: 717-656-2300 Fax: 717-656-2681

See reverse side for explanation of symbols and abbreviations

2216 Rev. 8/24/97



**LLI Sample No. WW 3062417**

Collected: 12/21/98 at 13:15 by AE

Submitted: 12/23/98

Account No: 08947
Roy F. Weston, Inc.
1 Wall Street
Manchester NH 03101-1501

004-1298 Duplicate Grab Water Sample

New Bedford Harbor - MA -USACE

004-- SDG#: NBH06-09DUP

CAT NO	ANALYSIS NAME	METHOD	TRIAL	ANALYSIS ID	DATE AND TIME	ANALYST
1749	Cadmium	SW-846 6010B	1		12/29/98 1939	Christine R. Fritz
1751	Chromium	SW-846 6010B	1		12/29/98 1939	Christine R. Fritz
1753	Copper	SW-846 6010B	1		12/29/98 1939	Christine R. Fritz
1848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1		12/28/98 1815	Marie D. Kimmel
1055	Lead (furnace method)	SW-846 7421	2		01/15/99 2054	Jolene M. Schields
5704	WW/TL SW 846 GFAA Digest tot	SW-846 3020A	1		12/28/98 1815	Marie D. Kimmel
0173	PCBs in Water	SW-846 8082	1		12/31/98 0817	Rick Shober
0817	Water Sample Pest. Extraction	SW-846 3510C	1		12/28/98 1000	Lisa J. Cooke



**LLI Sample No. WW 3062418**

Collected: 12/21/98 at 13:15 by AE

Submitted: 12/23/98 Reported: 1/22/99

Discard: 1/30/99

004-1298 Duplicate Filtered Grab Water Sample

New Bedford Harbor - MA -USACE

004F- SDG#: NBH06-10DUP

Account No: 08947
Roy F. Weston, Inc.
1 Wall Street
Manchester NH 03101-1501

P.O. LL-2139-A7
Rel. 03886-118-002

AS RECEIVED

CAT NO.	ANALYSIS NAME	RESULTS	METHOD	
			DETECTION	LIMIT UNITS
1749	Cadmium	N.D.	0.0017	mg/l
1751	Chromium	N.D.	0.0054	mg/l
1753	Copper	N.D.	0.0058	mg/l
1055	Lead (furnace method)	N.D. <i>WJ</i>	0.0095	mg/l
	The quantitation limit for lead was increased due to the nature of the sample matrix.			
0173	PCBs in Water		See Page	2

This sample was field filtered for dissolved metals and PCBs.

1 COPY TO Roy F. Weston, Inc.
1 COPY TO Data Package Group

ATTN: Mr. Al Easterday

Questions? Contact your Client Services Representative
Tan H. Vo at (717) 656-2300
04:10:39 D 0002 24 REP 135166 646255
288 0.00 00000000 ASR000

Respectfully Submitted
Robert Strocko, Jr., B.S.
Group Leader, Metals Analysis



Lancaster Laboratories
2425 New Holland Pike
PO Box 12425
Lancaster, PA 17605-2425
Phone: (717) 656-2300 Fax: (717) 656-2681

See reverse side for explanation of symbols and abbreviations

2216 Rev. 8/4/99



**LLI Sample No. WW 3062418**

Collected: 12/21/98 at 13:15 by AE

Submitted: 12/23/98 Reported: 1/22/99

Discard: 1/30/99

004-1298 Duplicate Filtered Grab Water Sample

New Bedford Harbor - MA -USACE

004F- SDG#: NBH06-10DUP

Account No: 08947
Roy F. Weston, Inc.
1 Wall Street
Manchester NH 03101-1501

P.O. LL-2139-A7
ReI. 03886-118-002

AS RECEIVED**METHOD**

CAT NO.	ANALYSIS NAME	RESULTS	DETECTION LIMIT	UNITS
---------	---------------	---------	-----------------	-------

PCBs in Water

0639	PCB-1016	N.D.	0.096	ug/l
0640	PCB-1221	N.D.	0.096	ug/l
0641	PCB-1232	N.D.	0.096	ug/l
0642	PCB-1242	N.D.	0.096	ug/l
0643	PCB-1248	N.D.	0.096	ug/l
0644	PCB-1254	N.D.	0.096	ug/l
0645	PCB-1260	N.D.	0.096	ug/l

Questions? Contact your Client Services Representative
Tan H. Vo at (717) 656-2300

Respectfully Submitted
Jenifer E. Hess, B.S.
Group Leader Pesticides/PCBs



Lancaster Laboratories
2425 New Holland Pike
PO Box 12425
Lancaster, PA 17605-2425
Tel: (717) 656-2300 Fax: (717) 656-2681

See report code for explanation of symbols and abbreviations

2216 Rev. 01/97





Lancaster Laboratories
A division of Thermo Analytical Inc.

LLI Sample No. WW 3062418

Collected: 12/21/98 at 13:15 by AE

Submitted: 12/23/98

Account No: 08947
Roy F. Weston, Inc.
1 Wall Street
Manchester NH 03101-1501

004-1298 Duplicate Filtered Grab Water Sample

New Bedford Harbor - MA -USACE
004F- SDG#: NBH06-10DUP

CAT NO	ANALYSIS NAME	METHOD	TRIAL	ANALYSIS ID	DATE AND TIME	ANALYST
1749	Cadmium	SW-846 6010B	1		12/29/98 2213	Donna R. Sackett
1751	Chromium	SW-846 6010B	1		12/29/98 2213	Donna R. Sackett
1753	Copper	SW-846 6010B	1		12/29/98 2213	Donna R. Sackett
1848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1		12/28/98 2312	Annamaria Stipkovits
1055	Lead (furnace method)	SW-846 7421	2		01/15/99 2213	Jolene M. Schields
5704	WW/TL SW 846 GFAA Digest tot	SW-846 3020A	1		12/28/98 2312	Annamaria Stipkovits
0173	PCBs in Water	SW-846 8082	1		12/30/98 0345	Rick Shober
0817	Water Sample Pest. Extraction	SW-846 3510C	1		12/28/98 0700	Nathaniel R. Kurtz



Lancaster Laboratories
2425 New Holland Pike
PO Box 12425
Lancaster, PA 17605-2425
717-656-2300 Fax 717-656-2300





Lancaster Laboratories

A division of Thermo Analytical Inc.

Page: 1 of 3

LLI Sample No. WW 3062419

Collected: 12/21/98 at 13:15 by AE

Submitted: 12/23/98 Reported: 1/22/99

Discard: 1/30/99

004-1298 Matrix Spike Grab Water Sample

New Bedford Harbor - MA -USACE

004-- SDG#: NBH06-09MS

Account No: 08947
 Roy F. Weston, Inc.
 1 Wall Street
 Manchester NH 03101-1501

P.O. LL-2139-A7
 Re1. 03886-118-002

AS RECEIVED

METHOD

CAT NO.	ANALYSIS NAME	RESULTS	DETECTION LIMIT	UNITS
1749	Cadmium	0.052	0.0017	mg/l
1751	Chromium	0.211	0.0054	mg/l
1753	Copper	0.258	0.0058	mg/l
1055	Lead (furnace method)	0.0122 J	0.0095	mg/l
The quantitation limit for lead was increased due to the nature of the sample matrix.				
0173	PCBs in Water			

See Page 2

1 COPY TO Roy F. Weston, Inc.
 1 COPY TO Data Package Group

ATTN: Mr. Al Easterday

Questions? Contact your Client Services Representative
 Tan H. Vo at (717) 656-2300
 04:11:17 D 0002 24 REP 135166 646255
 288 15.00 00020200 ASR000

Respectfully Submitted
 Robert Strocko, Jr., B.S.
 Group Leader, Metals Analysis



Lancaster Laboratories
 2425 New Holland Pike
 PO Box 12425
 Lancaster, PA 17605-2425
 (717) 656-2300 Fax: 717-656-2681

See reverse side for explanation of symbols and abbreviations.

1/916 Rev 8/98





Lancaster Laboratories
A division of Thermo Analytical Inc.

Page: 2 of 3

LLI Sample No. WW 3062419

Collected: 12/21/98 at 13:15 by AE

Submitted: 12/23/98 Reported: 1/22/99

Discard: 1/30/99

004-1298 Matrix Spike Grab Water Sample

New Bedford Harbor - MA -USACE

004-- SDG#: NBH06-09MS

Account No: 08947
Roy F. Weston, Inc.
1 Wall Street
Manchester NH 03101-1501

P.O. LL-2139-A7
Rel. 03886-118-002

AS RECEIVED

METHOD

CAT NO.	ANALYSIS NAME	RESULTS	DETECTION LIMIT	UNITS
------------	---------------	---------	-----------------	-------

PCBs in Water

0639	PCB-1016	4.00	0.10	ug/l
0640	PCB-1221	N.D.	0.10	ug/l
0641	PCB-1232	N.D.	0.10	ug/l
0642	PCB-1242	N.D.	0.10	ug/l
0643	PCB-1248	N.D.	0.10	ug/l
0644	PCB-1254	N.D.	0.10	ug/l
0645	PCB-1260	4.10	0.10	ug/l

Questions? Contact your Client Services Representative
Tan H. Vo at (717) 656-2300

Respectfully Submitted
Jenifer E. Hess, B.S.
Group Leader Pesticides/PCBs



Lancaster Laboratories
2425 New Holland Pike
PO Box 12425
Lancaster, PA 17605-2425
(717) 656-2300 Fax (717) 656-2351

See reverse side for explanation of symbols and abbreviations.

2216 Rev. 6/97





Lancaster Laboratories
A division of Thermo Analytical Inc.

LLI Sample No. WW 3062419

Collected: 12/21/98 at 13:15 by AE

Submitted: 12/23/98

Account No: 08947
Roy F. Weston, Inc.
1 Wall Street
Manchester NH 03101-1501

004-1298 Matrix Spike Grab Water Sample

New Bedford Harbor - MA -USACE

004-- SDG#: NBH06-09MS

CAT NO	ANALYSIS NAME	METHOD	TRIAL	ANALYSIS ID	DATE AND TIME	ANALYST
1749	Cadmium	SW-846 6010B	1		12/29/98 1944	Christine R. Fritz
1751	Chromium	SW-846 6010B	1		12/29/98 1944	Christine R. Fritz
1753	Copper	SW-846 6010B	1		12/29/98 1944	Christine R. Fritz
1848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1		12/28/98 1815	Marie D. Kimmel
1055	Lead (furnace method)	SW-846 7421	2		01/15/99 2059	Jolene M. Schields
5704	WW/TL SW 846 GFAA Digest tot	SW-846 3020A	1		12/28/98 1815	Marie D. Kimmel
0173	PCBs in Water	SW-846 8082	1		12/31/98 0743	Rick Shober
0817	Water Sample Pest. Extraction	SW-846 3510C	1		12/28/98 1000	Lisa J. Cooke



Lancaster Laboratories
2425 New Holland Pike
PO Box 12425
Lancaster, PA 17605-2425
717-656-2300 Fax 717-656-2421

See reverse side for explanation of symbols and abbreviations

12/28/98 Rev. 6/4/98





Lancaster Laboratories
A division of Thermo Analytical Inc.

Page: 1 of 3

LLI Sample No. WW 3062420

Collected: 12/21/98 at 13:15 by AE

Submitted: 12/23/98 Reported: 1/22/99

Discard: 1/30/99

004-1298 Matrix Spike Filtered Grab Water Sample

New Bedford Harbor - MA -USACE

004F- SDG#: NBH06-10MS

Account No: 08947
Roy F. Weston, Inc.
1 Wall Street
Manchester NH 03101-1501

P.O. LL-2139-A7
Ref. 03886-118-002

CAT NO.	ANALYSIS NAME	AS RECEIVED		
		RESULTS	METHOD DETECTION LIMIT	UNITS
1749	Cadmium	0.051	0.0017	mg/l
1751	Chromium	0.206	0.0054	mg/l
1753	Copper	0.257	0.0058	mg/l
1055	Lead (furnace method)	0.018	0.0095	mg/l
	The quantitation limit for lead was increased due to the nature of the sample matrix.			
0173	PCBs in Water			See Page 2

This sample was field filtered for dissolved metals and PCBs.

1 COPY TO Roy F. Weston, Inc.
1 COPY TO Data Package Group

ATTN: Mr. Al Easterday

Questions? Contact your Client Services Representative
Tan H. Vo at (717) 656-2300
04:11:57 D 0002 24 REP 135166 646255
288 15.00 00020200 ASR000



Lancaster Laboratories
2425 New Holland Pike
PO Box 12425
Lancaster, PA 17605-2425
Tel: 717-656-2300 Fax: 717-656-2681

See reverse side for explanation of symbols and abbreviations

2216 Rev. 8/14/99

Respectfully Submitted
Robert Strocko, Jr., B.S.
Group Leader, Metals Analysis





Lancaster Laboratories

A division of Thermo Analytical Inc.

Page: 2 of 3

LLI Sample No. WW 3062420

Collected: 12/21/98 at 13:15 by AE

Submitted: 12/23/98 Reported: 1/22/99

Discard: 1/30/99

004-1298 Matrix Spike Filtered Grab Water Sample

New Bedford Harbor - MA -USACE

004F- SDG#: NBH06-10MS

Account No: 08947
 Roy F. Weston, Inc.
 1 Wall Street
 Manchester NH 03101-1501

P.O. LL-2139-A7
 Rel. 03886-118-002

AS RECEIVED

METHOD

CAT NO.	ANALYSIS NAME	RESULTS	DETECTION LIMIT	UNITS
---------	---------------	---------	-----------------	-------

PCBs in Water

0639	PCB-1016	4.81	0.10	ug/l
0640	PCB-1221	N.D.	0.10	ug/l
0641	PCB-1232	N.D.	0.10	ug/l
0642	PCB-1242	N.D.	0.10	ug/l
0643	PCB-1248	N.D.	0.10	ug/l
0644	PCB-1254	N.D.	0.10	ug/l
0645	PCB-1260	4.66	0.10	ug/l

Questions? Contact your Client Services Representative
 Tan H. Vo at (717) 656-2300

Respectfully Submitted
 Jenifer E. Hess, B.S.
 Group Leader Pesticides/PCBs



Lancaster Laboratories
 2425 New Holland Pike
 PO Box 12425
 Lancaster, PA 17605-2425
 Tel: (717) 656-2300 Fax: (717) 656-2681

See reverse side for explanation of symbols and abbreviations

2016 Rev 8/4/97





Lancaster Laboratories
A division of Thermo Analytical Inc.

Page: 3 of 3

LLI Sample No. WW 3062420

Collected: 12/21/98 at 13:15 by AE

Submitted: 12/23/98

Account No: 08947
Roy F. Weston, Inc.
1 Wall Street
Manchester NH 03101-1501

004-1298 Matrix Spike Filtered Grab Water Sample

New Bedford Harbor - MA -USACE
004F- SDG#: NBH06-10MS

CAT NO	ANALYSIS NAME	METHOD	ANALYSIS		ANALYST
			TRIAL	ID DATE AND TIME	
1749	Cadmium	SW-846 6010B	1	12/29/98 2218	Donna R. Sackett
1751	Chromium	SW-846 6010B	1	12/29/98 2218	Donna R. Sackett
1753	Copper	SW-846 6010B	1	12/29/98 2218	Donna R. Sackett
1848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	12/28/98 2312	Annamaria Stipkovits
1055	Lead (furnace method)	SW-846 7421	2	01/15/99 2218	Jolene M. Schields
5704	WW/TL SW 846 GFAA Digest tot	SW-846 3020A	1	12/28/98 2312	Annamaria Stipkovits
0173	PCBs in Water	SW-846 8082	1	12/30/98 2037	Rick Shober
0817	Water Sample Pest. Extraction	SW-846 3510C	1	12/28/98 0700	Nathaniel R. Kurtz



Lancaster Laboratories
2425 New Holland Pike
PO Box 12425
Lancaster, PA 17605-2425
Tel: 717-397-3000 Fax: 717-397-2681

See reverse side for explanation of symbols and abbreviations.

2216 Rev. 8/2/92





Lancaster Laboratories
A division of Thermo Analytical Inc.

Page: 1 of 3

LLI Sample No. WW 3062421

Collected: 12/21/98 at 13:15 by AE

Submitted: 12/23/98 Reported: 1/22/99

Discard: 1/30/99

004-1298 Matrix Spike Duplicate Grab Water Sample

New Bedford Harbor - MA -USACE

004-- SDG#: NBH06-09MSD

Account No: 08947
Roy F. Weston, Inc.
1 Wall Street
Manchester NH 03101-1501

P.O. LL-2139-A7
Ref. 03886-118-002

AS RECEIVED

CAT NO.	ANALYSIS NAME	RESULTS	METHOD	
			DETECTION	LIMIT UNITS
1749	Cadmium	0.051	0.0017	mg/l
1751	Chromium	0.205	0.0054	mg/l
1753	Copper	0.251	0.0058	mg/l
1055	Lead (furnace method)	0.0129 J	0.0095	mg/l
	The quantitation limit for lead was increased due to the nature of the sample matrix.			
0173	PCBs in Water		See Page	2

1 COPY TO Roy F. Weston, Inc.
1 COPY TO Data Package Group

ATTN: Mr. Al Easterday

Questions? Contact your Client Services Representative
Tan H. Vo at (717) 656-2300
04:12:37 D 0002 24 REP 135166 646255
288 15.00 00020200 ASR000



Lancaster Laboratories
2425 New Holland Pike
PO Box 12425
Lancaster, PA 17605-2425
(717) 656-2300 Fax (717) 656-2301

See reverse side for explanation of controls and abbreviations.

Respectfully Submitted
Robert Strocko, Jr., B.S.
Group Leader, Metals Analysis

2016 Rev. 8/4/97





LLI Sample No. WW 3062421

Collected: 12/21/98 at 13:15 by AE

Submitted: 12/23/98 Reported: 1/22/99
Discard: 1/30/99

004-1298 Matrix Spike Duplicate Grab Water Sample

New Bedford Harbor - MA -USACE
004-- SDG#: NBH06-09MSD

Account No: 08947
Roy F. Weston, Inc.
1 Wall Street
Manchester NH 03101-1501

P.O. LL-2139-A7
Ref. 03886-118-002

		AS RECEIVED		
CAT			METHOD	
NO.	ANALYSIS NAME	RESULTS	DETECTION LIMIT	UNITS
PCBs in Water				
0639	PCB-1016	4.04	0.10	ug/l
0640	PCB-1221	N.D.	0.10	ug/l
0641	PCB-1232	N.D.	0.10	ug/l
0642	PCB-1242	N.D.	0.10	ug/l
0643	PCB-1248	N.D.	0.10	ug/l
0644	PCB-1254	N.D.	0.10	ug/l
0645	PCB-1260	4.15	0.10	ug/l

Questions? Contact your Client Services Representative
Tan H. Vo at (717) 656-2300

Respectfully Submitted
Jenifer E. Hess, B.S.
Group Leader Pesticides/PCBs



Lancaster Laboratories
2425 New Holland Pike
PO Box 12425
Lancaster PA 17605-2425
Tel: (717) 656-2300 Fax: (717) 656-2681

For more information, see explanation of symbols and abbreviations.

2216 Rev. 1/24/92





LLI Sample No. WW 3062421

Collected: 12/21/98 at 13:15 by AE

Submitted: 12/23/98

Account No: 08947
Roy F. Weston, Inc.
1 Wall Street
Manchester NH 03101-1501

004-1298 Matrix Spike Duplicate Grab Water Sample

New Bedford Harbor - MA -USACE
004-- SDG#: NBH06-09MSD

CAT NO	ANALYSIS NAME	METHOD	TRIAL	ANALYSIS ID	DATE AND TIME	ANALYST
1749	Cadmium	SW-846 6010B	1		12/29/98 1948	Christine R. Fritz
1751	Chromium	SW-846 6010B	1		12/29/98 1948	Christine R. Fritz
1753	Copper	SW-846 6010B	1		12/29/98 1948	Christine R. Fritz
1848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1		12/28/98 1815	Marie D. Kimmel
1055	Lead (furnace method)	SW-846 7421	2		01/15/99 2109	Jolene M. Schields
5704	WW/TL SW 846 GFAA Digest tot	SW-846 3020A	1		12/28/98 1815	Marie D. Kimmel
0173	PCBs in Water	SW-846 8082	1		12/31/98 0800	Rick Shober
0817	Water Sample Pest. Extraction	SW-846 3510C	1		12/28/98 1000	Lisa J. Cooke



Lancaster Laboratories
2425 New Holland Pike
PO Box 12425
Lancaster, PA 17609-2425
Tel: 717/656-2400 Fax: 717/656-2681

See reverse side for explanation of symbols and abbreviations.

11/17/98 Rev. 8/4/97





Lancaster Laboratories
A division of Thermo Analytical Inc.

Page: 1 of 3

LLI Sample No. WW 3062422

Collected: 12/21/98 at 13:15 by AE

Submitted: 12/23/98 Reported: 1/22/99

Discard: 1/30/99

004-1298 Matrix Spike Duplicate Filtered Grab

Sample Water

New Bedford Harbor - MA -USACE

004F- SDG#: NBH06-10MSD

Account No: 08947
Roy F. Weston, Inc.
1 Wall Street
Manchester NH 03101-1501

P.O. LL-2139-A7
Ref. 03886-118-002

CAT NO.	ANALYSIS NAME	AS RECEIVED		
		RESULTS	METHOD DETECTION LIMIT	UNITS
1749	Cadmium	0.051	0.0017	mg/l
1751	Chromium	0.206	0.0054	mg/l
1753	Copper	0.257	0.0058	mg/l
1055	Lead (furnace method)	0.028	0.0095	mg/l
	The quantitation limit for lead was increased due to the nature of the sample matrix.			
0173	PCBs in Water			

See Page 2

This sample was field filtered for dissolved metals and PCBs.

1 COPY TO Roy F. Weston, Inc.
1 COPY TO Data Package Group

ATTN: Mr. Al Easterday

Questions? Contact your Client Services Representative
Tan H. Vo at (717) 656-2300
04:13:14 D 0002 24 REP 135166 646255
288 15.00 00020200 ASR000

Respectfully Submitted
Robert Strocko, Jr., B.S.
Group Leader, Metals Analysis



Lancaster Laboratories
2425 New Holland Pike
PO Box 12425
Lancaster, PA 17605-2425
(717) 656-2300 Fax 717-656-2681

See reverse side for explanation of symbols and abbreviations

22000-1000-0000





LLI Sample No. WW 3062422

Collected: 12/21/98 at 13:15 by AE

Submitted: 12/23/98 Reported: 1/22/99

Discard: 1/30/99

004-1298 Matrix Spike Duplicate Filtered Grab

Sample Water

New Bedford Harbor - MA -USACE

004F- SDG#: NBH06-10MSD

Account No: 08947
Roy F. Weston, Inc.
1 Wall Street
Manchester NH 03101-1501

P.O. LL-2139-A7
Ref. 03886-118-002

AS RECEIVED

METHOD

CAT
NO. ANALYSIS NAME

RESULTS DETECTION LIMIT UNITS

PCBs in Water

0639	PCB-1016	4.69	0.098	ug/l
0640	PCB-1221	N.D.	0.098	ug/l
0641	PCB-1232	N.D.	0.098	ug/l
0642	PCB-1242	N.D.	0.098	ug/l
0643	PCB-1248	N.D.	0.098	ug/l
0644	PCB-1254	N.D.	0.098	ug/l
0645	PCB-1260	4.53	0.098	ug/l

Questions? Contact your Client Services Representative
Tan H. Vo at (717) 656-2300

Respectfully Submitted
Jenifer E. Hess, B.S.
Group Leader Pesticides/PCBs



Lancaster Laboratories
2425 New Holland Pike
PO Box 12425
Lancaster, PA 17605-2425
(717) 656-2300 Fax (717) 656-2425

See reverse side for explanation of symbols and abbreviations

2/10 Rev. 8/4/97





LLI Sample No. WW 3062422

Collected: 12/21/98 at 13:15 by AE

Submitted: 12/23/98

Account No: 08947
Roy F. Weston, Inc.
1 Wall Street
Manchester NH 03101-1501

004-1298 Matrix Spike Duplicate Filtered Grab
Sample Water
New Bedford Harbor - MA -USACE
004F- SDG#: NBH06-10MSD

CAT NO	ANALYSIS NAME	METHOD	ANALYSIS		ANALYST
			TRIAL	ID DATE AND TIME	
1749	Cadmium	SW-846 6010B	1	12/29/98 2222	Donna R. Sackett
1751	Chromium	SW-846 6010B	1	12/29/98 2222	Donna R. Sackett
1753	Copper	SW-846 6010B	1	12/29/98 2222	Donna R. Sackett
1848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	12/28/98 2312	Annamaria Stipkovits
1055	Lead (furnace method)	SW-846 7421	2	01/18/99 1101	Julie A. Slaughenhaupt
5704	WW/TL SW 846 GFAA Digest tot	SW-846 3020A	1	12/28/98 2312	Annamaria Stipkovits
0173	PCBs in Water	SW-846 8082	1	12/30/98 2054	Rick Shober
0817	Water Sample Pest. Extraction	SW-846 3510C	1	12/28/98 0700	Nathaniel R. Kurtz



Lancaster Laboratories
2425 New Holland Pike
PO Box 12425
Lancaster, PA 17605-2425
Tel: 717-656-2300 Fax: 717-656-2681

See reverse side for explanation of symbols and abbreviations

12/98 Rev. 8/4/97





Lancaster Laboratories
A division of Thermo Analytical Inc.

Page: 1 of 3

LLI Sample No. WW 3062423

Collected: 12/21/98 at 13:20 by AE

Submitted: 12/23/98 Reported: 1/22/99

Discard: 1/30/99

005-1298 Grab Water Sample

New Bedford Harbor - MA -USACE

005-- SDG#: NBH06-11

Account No: 08947
Roy F. Weston, Inc.
1 Wall Street
Manchester NH 03101-1501

P.O. LL-2139-A7
Rel. 03886-118-002

CAT NO.	ANALYSIS NAME	AS RECEIVED		UNITS
		RESULTS	METHOD DETECTION LIMIT	
1749	Cadmium	N.D.	0.0017	mg/l
1751	Chromium	N.D.	0.0054	mg/l
1753	Copper	N.D.	0.0058	mg/l
1055	Lead (furnace method)	N.D.	0.0019	mg/l
0173	PCBs in Water			See Page 2

1 COPY TO Roy F. Weston, Inc.
1 COPY TO Data Package Group

ATTN: Mr. Al Easterday

Questions? Contact your Client Services Representative
Tan H. Vo at (717) 656-2300
04:13:52 D 0002 24 REP 135166 646255
288 15.00 00020200 ASR000

Respectfully Submitted
Robert Strocko, Jr., B.S.
Group Leader, Metals Analysis



Lancaster Laboratories
2425 New Holland Pike
P.O. Box 12425
Lancaster, PA 17605-2425
(717) 656-2300 Fax (717) 656-2655

See insert card for explanation of symbols and abbreviations

2016 Rev. 8/14/99





Lancaster Laboratories
A division of Thermo Analytical Inc.

Page: 2 of 3

LLI Sample No. WW 3062423

Collected: 12/21/98 at 13:20 by AE

Submitted: 12/23/98 Reported: 1/22/99

Discard: 1/30/99

005-1298 Grab Water Sample

New Bedford Harbor - MA -USACE

005-- SDG#: NBH06-11

Account No: 08947
Roy F. Weston, Inc.
1 Wall Street
Manchester NH 03101-1501

P.O. LL-2139-A7
Ref. 03886-118-002

CAT NO.	ANALYSIS NAME	AS RECEIVED		
		RESULTS	METHOD DETECTION LIMIT	UNITS
PCBs in Water				
0639	PCB-1016	N.D.	0.098	ug/l
0640	PCB-1221	N.D.	0.098	ug/l
0641	PCB-1232	N.D.	0.098	ug/l
0642	PCB-1242	N.D.	0.098	ug/l
0643	PCB-1248	N.D.	0.098	ug/l
0644	PCB-1254	N.D.	0.098	ug/l
0645	PCB-1260	N.D.	0.098	ug/l

Questions? Contact your Client Services Representative
Tan H. Vo at (717) 656-2300

Respectfully Submitted
Jenifer E. Hess, B.S.
Group Leader Pesticides/PCBs



Lancaster Laboratories
2425 New Holland Pike
PO Box 12425
Lancaster, PA 17605-2425
Tel: (717) 656-2300 Fax: (717) 656-2681

See reverse side for explanation of symbols and abbreviations

2016 Rev 8/1/97





Lancaster Laboratories
A division of Thermo Analytical Inc.

Page: 3 of 3

LLI Sample No. WW 3062423

Collected: 12/21/98 at 13:20 by AE

Submitted: 12/23/98

Account No: 08947
Roy F. Weston, Inc.
1 Wall Street
Manchester NH 03101-1501

005-1298 Grab Water Sample

New Bedford Harbor - MA -USACE
005-- SDG#: NBH06-11

CAT NO	ANALYSIS NAME	METHOD	TRIAL	ANALYSIS ID	DATE AND TIME	ANALYST
1749	Cadmium	SW-846 6010B	1		12/29/98 2116	Christine R. Fritz
1751	Chromium	SW-846 6010B	1		12/29/98 2116	Christine R. Fritz
1753	Copper	SW-846 6010B	1		12/29/98 2116	Christine R. Fritz
1848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1		12/28/98 1815	Marie D. Kimmel
1055	Lead (furnace method)	SW-846 7421	2		01/15/99 1151	Julie A. Slaughenhaupt
5704	WW/TL SW 846 GFAA Digest tot	SW-846 3020A	1		12/28/98 1815	Marie D. Kimmel
0173	PCBs in Water	SW-846 8082	1		12/31/98 0834	Rick Shober
0817	Water Sample Pest. Extraction	SW-846 3510C	1		12/28/98 1000	Lisa J. Cooke



Lancaster Laboratories
2425 New Holland Pike
PO Box 12425
Lancaster, PA 17605-2425
Tel: 717-399-2800 Fax: 717-650-2681

See reference for explanation of symbols and abbreviations.

2425 New Holland Pike





Lancaster Laboratories
A division of Thermo Analytical Inc.

Page: 1 of 3

LLI Sample No. WW 3062424

Collected: 12/21/98 at 13:20 by AE

Submitted: 12/23/98 Reported: 1/22/99

Discard: 1/30/99

005-1298 Filtered Grab Water Sample

New Bedford Harbor - MA -USACE

005F- SDG#: NBH06-12

Account No: 08947
Roy F. Weston, Inc.
1 Wall Street
Manchester NH 03101-1501

P.O. LL-2139-A7
Rel. 03886-118-002

AS RECEIVED

METHOD

CAT NO.	ANALYSIS NAME	RESULTS	DETECTION LIMIT	UNITS
1749	Cadmium	N.D.	0.0017	mg/l
1751	Chromium	N.D.	0.0054	mg/l
1753	Copper	N.D.	0.0058	mg/l
1055	Lead (furnace method)	N.D.	0.0019	mg/l
0173	PCBs in Water			See Page 2

This sample was field filtered for dissolved metals and PCBs.

1 COPY TO Roy F. Weston, Inc.
1 COPY TO Data Package Group

ATTN: Mr. Al Easterday

Questions? Contact your Client Services Representative
Tan H. Vo at (717) 656-2300
04:14:31 D 0002 24 REP 135166 646255
288 15.00 00020200 ASR000



Lancaster Laboratories
2425 New Holland Pike
PO Box 12425
Lancaster, PA 17605-2425
(717) 656-2300 Fax 717-656-2421

See manual code for explanation of symbols and abbreviations.

Respectfully Submitted
Robert Strocko, Jr., B.S.
Group Leader, Metals Analysis

22/06 Rev. 6/1997





Lancaster Laboratories
A division of Thermo Analytical Inc.

Page: 2 of 3

LLI Sample No. WW 3062424

Collected: 12/21/98 at 13:20 by AE

Submitted: 12/23/98 Reported: 1/22/99

Discard: 1/30/99

005-1298 Filtered Grab Water Sample

New Bedford Harbor - MA -USACE

005F- SDG#: NBH06-12

Account No: 08947
Roy F. Weston, Inc.
1 Wall Street
Manchester NH 03101-1501

P.O. LL-2139-A7
Rel. 03886-118-002

AS RECEIVED

METHOD

CAT NO.	ANALYSIS NAME	RESULTS	DETECTION LIMIT	UNITS
------------	---------------	---------	-----------------	-------

PCBs in Water

0639	PCB-1016	N.D.	0.10	ug/l
0640	PCB-1221	N.D.	0.10	ug/l
0641	PCB-1232	N.D.	0.10	ug/l
0642	PCB-1242	N.D.	0.10	ug/l
0643	PCB-1248	N.D.	0.10	ug/l
0644	PCB-1254	N.D.	0.10	ug/l
0645	PCB-1260	N.D.	0.10	ug/l

Questions? Contact your Client Services Representative
Tan H. Vo at (717) 656-2300



Lancaster Laboratories
2425 New Holland Pike
PO Box 12425
Lancaster, PA 17605-2425
Tel: (717) 656-2300 Fax: (717) 656-2681

See reverse side for explanation of symbols and abbreviations.

Respectfully Submitted
Jenifer E. Hess, B.S.
Group Leader Pesticides/PCBs

2216 Rev. 8/2000



**LLI Sample No. WW 3062424**

Collected: 12/21/98 at 13:20 by AE

Submitted: 12/23/98

Account No: 08947
Roy F. Weston, Inc.
1 Wall Street
Manchester NH 03101-1501

005-1298 Filtered Grab Water Sample

New Bedford Harbor - MA -USACE
005F- SDG#: NBH06-12

CAT NO	ANALYSIS NAME	METHOD	TRIAL	ANALYSIS ID	DATE AND TIME	ANALYST
1749	Cadmium	SW-846 6010B	1		12/29/98 2258	Donna R. Sackett
1751	Chromium	SW-846 6010B	1		12/29/98 2258	Donna R. Sackett
1753	Copper	SW-846 6010B	1		12/29/98 2258	Donna R. Sackett
1848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1		12/28/98 2312	Annamaria Stipkovits
1055	Lead (furnace method)	SW-846 7421	2		01/15/99 1450	Julie A. Slaughenhaupt
5704	WW/TL SW 846 GFAA Digest tot	SW-846 3020A	1		12/28/98 2312	Annamaria Stipkovits
0173	PCBs in Water	SW-846 8082	1		12/30/98 2111	Rick Shober
0817	Water Sample Pest. Extraction	SW-846 3510C	1		12/28/98 0700	Nathaniel R. Kurtz



Lancaster Laboratories
2425 New Holland Pike
PO Box 12425
Lancaster, PA 17605-2425
Tel: 717-656-2300 Fax: 717-656-2681

See reverse page for explanation of symbols and abbreviations

2017-10-10 14:11:11





LLI Sample No. WW 3062425

Collected: 12/21/98 at 09:30 by AE

Submitted: 12/23/98 Reported: 1/22/99

Discard: 1/30/99

006-1298 Grab Water Sample

New Bedford Harbor - MA -USACE

006-- SDG#: NBH06-13

Account No: 08947
Roy F. Weston, Inc.
1 Wall Street
Manchester NH 03101-1501

P.O. LL-2139-A7
Ref. 03886-118-002

CAT NO.	ANALYSIS NAME	AS RECEIVED		
		RESULTS	METHOD DETECTION LIMIT	UNITS
1749	Cadmium	N.D.	0.0017	mg/l
1751	Chromium	N.D.	0.0054	mg/l
1753	Copper	N.D.	0.0058	mg/l
1055	Lead (furnace method)	N.D.	0.0019	mg/l
0173	PCBs in Water			See Page 2

1 COPY TO Roy F. Weston, Inc.
1 COPY TO Data Package Group

ATTN: Mr. Al Easterday

Questions? Contact your Client Services Representative
Tan H. Vo at (717) 656-2300
04:15:06 D 0002 24 REP 135166 646255
288 15.00 00020200 ASR000

Respectfully Submitted
Robert Strocko, Jr., B.S.
Group Leader, Metals Analysis



Lancaster Laboratories
2425 New Holland Pike
PO Box 12425
Lancaster PA 17605-2425
(Ph) (717) 656-2681

See reverse side for explanation of symbols and abbreviations

2216 Roy F. Weston





Lancaster Laboratories
A division of Thermo Analytical Inc.

Page: 2 of 3

LLI Sample No. WW 3062425

Collected: 12/21/98 at 09:30 by AE

Submitted: 12/23/98 Reported: 1/22/99

Discard: 1/30/99

006-1298 Grab Water Sample

New Bedford Harbor - MA -USACE
006-- SDG#: NBH06-13

Account No: 08947
Roy F. Weston, Inc.
1 Wall Street
Manchester NH 03101-1501

P.O. LL-2139-A7
Ref. 03886-118-002

CAT
NO. ANALYSIS NAME

AS RECEIVED
METHOD
RESULTS DETECTION LIMIT UNITS

PCBs in Water

0639	PCB-1016	N.D.	0.098	ug/l
0640	PCB-1221	N.D.	0.098	ug/l
0641	PCB-1232	N.D.	0.098	ug/l
0642	PCB-1242	N.D.	0.098	ug/l
0643	PCB-1248	N.D.	0.098	ug/l
0644	PCB-1254	N.D.	0.098	ug/l
0645	PCB-1260	N.D.	0.098	ug/l

Questions? Contact your Client Services Representative
Tan H. Vo at (717) 656-2300

Respectfully Submitted
Jenifer E. Hess, B.S.
Group Leader Pesticides/PCBs



Lancaster Laboratories
2425 New Holland Pike
PO Box 12425
Lancaster, PA 17605-2425
Tel: (717) 656-2300 Fax: (717) 656-2681

See reverse side for explanation of symbols and abbreviations.

10/16 Rev. 8/14/99





LLI Sample No. WW 3062425
Collected: 12/21/98 at 09:30 by AE

Submitted: 12/23/98

006-1298 Grab Water Sample

New Bedford Harbor - MA -USACE
006-- SDG#: NBH06-13

Account No: 08947
Roy F. Weston, Inc.
1 Wall Street
Manchester NH 03101-1501

CAT NO	ANALYSIS NAME	METHOD	TRIAL	ANALYSIS ID	DATE AND TIME	ANALYST
1749	Cadmium	SW-846 6010B	1		12/29/98 2121	Christine R. Fritz
1751	Chromium	SW-846 6010B	1		12/29/98 2121	Christine R. Fritz
1753	Copper	SW-846 6010B	1		12/29/98 2121	Christine R. Fritz
1848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1		12/28/98 1815	Marie D. Kimmel
1055	Lead (furnace method)	SW-846 7421	2		01/15/99 1200	Julie A. Slaughenhaupt
5704	WW/TL SW 846 GFAA Digest tot	SW-846 3020A	1		12/28/98 1815	Marie D. Kimmel
0173	PCBs in Water	SW-846 8082	1		12/29/98 2224	Rick Shober
0817	Water Sample Pest. Extraction	SW-846 3510C	1		12/28/98 1000	Lisa J. Cooke





Lancaster Laboratories
A division of Thermo Analytical Inc.

Page: 1 of 3

LLI Sample No. WW 3062426

Collected: 12/21/98 at 09:30 by AE

Submitted: 12/23/98 Reported: 1/22/99
Discard: 1/30/99

006-1298 Filtered Grab Water Sample

New Bedford Harbor - MA -USACE
006F- SDG#: NBH06-14

Account No: 08947
Roy F. Weston, Inc.
1 Wall Street
Manchester NH 03101-1501

P.O. LL-2139-A7
Re1. 03886-118-002

CAT NO.	ANALYSIS NAME	AS RECEIVED		
		RESULTS	METHOD DETECTION LIMIT	UNITS
1749	Cadmium	N.D.	0.0017	mg/l
1751	Chromium	N.D.	0.0054	mg/l
1753	Copper	N.D.	0.0058	mg/l
1055	Lead (furnace method)	N.D.	0.0019	mg/l
0173	PCBs in Water			See Page 2

This sample was field filtered for dissolved metals and PCBs.

1 COPY TO Roy F. Weston, Inc.
1 COPY TO Data Package Group

ATTN: Mr. Al Easterday

Questions? Contact your Client Services Representative
Tan H. Vo at (717) 656-2300
04:15:43 D 0002 24 REP 135166 646255
288 15.00 00020200 ASR000

Respectfully Submitted
Robert Strocko, Jr., B.S.
Group Leader, Metals Analysis



Lancaster Laboratories
2425 New Holland Pike
PO Box 12425
Lancaster, PA 17605-2425
(717) 656-2300 Fax: 717-656-2681

See reverse side for explanation of symbols and abbreviations

2016 Rev. 8/4/97





Lancaster Laboratories
A division of Thermo Analytical Inc.

Page: 2 of 3

LLI Sample No. WW 3062426

Collected: 12/21/98 at 09:30 by AE

Submitted: 12/23/98 Reported: 1/22/99

Discard: 1/30/99

006-1298 Filtered Grab Water Sample

New Bedford Harbor - MA -USACE

006F- SDG#: NBH06-14

Account No: 08947
Roy F. Weston, Inc.
1 Wall Street
Manchester NH 03101-1501

P.O. LL-2139-A7
Rel. 03886-118-002

AS RECEIVED

METHOD

CAT NO.	ANALYSIS NAME	RESULTS	DETECTION LIMIT	UNITS
------------	---------------	---------	-----------------	-------

PCBs in Water

0639	PCB-1016	N.D.	0.097	ug/l
0640	PCB-1221	N.D.	0.097	ug/l
0641	PCB-1232	N.D.	0.097	ug/l
0642	PCB-1242	N.D.	0.097	ug/l
0643	PCB-1248	N.D.	0.097	ug/l
0644	PCB-1254	N.D.	0.097	ug/l
0645	PCB-1260	N.D.	0.097	ug/l

Questions? Contact your Client Services Representative
Tan H. Vo at (717) 656-2300

Respectfully Submitted
Jenifer E. Hess, B.S.
Group Leader Pesticides/PCBs



Lancaster Laboratories
2425 New Holland Pike
PO Box 12425
Lancaster, PA 17605-2425
Tel: 717-656-2300 Fax: 717-656-2681

See reverse side for explanation of symbols and abbreviations.

2236 Rev. 5/24/97





LLI Sample No. WW 3062426

Collected: 12/21/98 at 09:30 by AE

Submitted: 12/23/98

Account No: 08947
Roy F. Weston, Inc.
1 Wall Street
Manchester NH 03101-1501

006-1298 Filtered Grab Water Sample

New Bedford Harbor - MA -USACE
006F- SDG#: NBH06-14

CAT NO	ANALYSIS NAME	METHOD	TRIAL	ANALYSIS ID	DATE AND TIME	ANALYST
1749	Cadmium	SW-846 6010B	1		12/29/98 2302	Donna R. Sackett
1751	Chromium	SW-846 6010B	1		12/29/98 2302	Donna R. Sackett
1753	Copper	SW-846 6010B	1		12/29/98 2302	Donna R. Sackett
1848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1		12/28/98 2312	Annamaria Stipkovits
1055	Lead (furnace method)	SW-846 7421	2		01/15/99 1500	Julie A. Slaughenhaupt
5704	WW/TL SW 846 GFAA Digest tot	SW-846 3020A	1		12/28/98 2312	Annamaria Stipkovits
0173	PCBs in Water	SW-846 8082	1		12/30/98 0419	Rick Shober
0817	Water Sample Pest. Extraction	SW-846 3510C	1		12/28/98 0700	Nathaniel R. Kurtz





LLI Sample No. WW 3062427

Collected: 12/21/98 at 11:30 by AE

Submitted: 12/23/98 Reported: 1/22/99

Discard: 1/30/99

007-1298 Grab Water Sample

New Bedford Harbor - MA -USACE

007-- SDG#: NBH06-15

Account No: 08947
Roy F. Weston, Inc.
1 Wall Street
Manchester NH 03101-1501

P.O. LL-2139-A7
Ref. 03886-118-002

CAT NO.	ANALYSIS NAME	AS RECEIVED		
		RESULTS	METHOD DETECTION LIMIT	UNITS
1749	Cadmium	N.D.	0.0017	mg/l
1751	Chromium	N.D.	0.0054	mg/l
1753	Copper	N.D.	0.0058	mg/l
1055	Lead (furnace method)	N.D.	0.0019	mg/l
0173	PCBs in Water			

See Page 2

1 COPY TO Roy F. Weston, Inc.
1 COPY TO Data Package Group

ATTN: Mr. Al Easterday

Questions? Contact your Client Services Representative
Tan H. Vo at (717) 656-2300
04:16:23 D 0002 24 REP 135166 646255
288 15.00 00020200 ASR000

Respectfully Submitted
Robert Strocko, Jr., B.S.
Group Leader, Metals Analysis



Lancaster Laboratories
2425 New Holland Pike
PO Box 12425
Lancaster, PA 17605-2425
(717) 656-2300 Fax (717) 656-2681

See reverse side for explanation of symbols and abbreviations.

2016 Rev 6/10/17





LLI Sample No. WW 3062427

Collected: 12/21/98 at 11:30 by AE

Submitted: 12/23/98 Reported: 1/22/99

Discard: 1/30/99

007-1298 Grab Water Sample

New Bedford Harbor - MA -USACE

007-- SDG#: NBH06-15

Account No: 08947
Roy F. Weston, Inc.
1 Wall Street
Manchester NH 03101-1501

P.O. LL-2139-A7
Rel. 03886-118-002

AS RECEIVED

METHOD

CAT NO.	ANALYSIS NAME	RESULTS	DETECTION LIMIT	UNITS
------------	---------------	---------	-----------------	-------

PCBs in Water

0639	PCB-1016	N.D.	0.096	ug/l
0640	PCB-1221	N.D.	0.096	ug/l
0641	PCB-1232	N.D.	0.096	ug/l
0642	PCB-1242	N.D.	0.096	ug/l
0643	PCB-1248	N.D.	0.096	ug/l
0644	PCB-1254	N.D.	0.096	ug/l
0645	PCB-1260	N.D.	0.096	ug/l

Questions? Contact your Client Services Representative
Tan H. Vo at (717) 656-2300

Respectfully Submitted
Jenifer E. Hess, B.S.
Group Leader Pesticides/PCBs



Lancaster Laboratories
2425 New Holland Pike
PO Box 12425
Lancaster, PA 17605-2425
(717) 656-2300 Fax (717) 656-2681

See reverse side for explanation of symbols and abbreviations

2.0.1 Rev. 8/2000





LLI Sample No. WW 3062427

Collected: 12/21/98 at 11:30 by AE

Submitted: 12/23/98

Account No: 08947
Roy F. Weston, Inc.
1 Wall Street
Manchester NH 03101-1501

007-1298 Grab Water Sample

New Bedford Harbor - MA -USACE
007-- SDG#: NBH06-15

CAT NO	ANALYSIS NAME	METHOD	TRIAL	ANALYSIS ID	DATE AND TIME	ANALYST
1749	Cadmium	SW-846 60108	1		12/29/98 2125	Christine R. Fritz
1751	Chromium	SW-846 60108	1		12/29/98 2125	Christine R. Fritz
1753	Copper	SW-846 60108	1		12/29/98 2125	Christine R. Fritz
1848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1		12/28/98 1815	Marie D. Kimmel
1055	Lead (furnace method)	SW-846 7421	2		01/15/99 1210	Julie A. Slaughenhaupt
5704	WW/TL SW 846 GFAA Digest tot	SW-846 3020A	1		12/28/98 1815	Marie D. Kimmel
0173	PCBs in Water	SW-846 8082	1		12/29/98 2241	Rick Shober
0817	Water Sample Pest. Extraction	SW-846 3510C	1		12/28/98 1000	Lisa J. Cooke



Lancaster Laboratories
2425 New Holland Pike
PO Box 12425
Lancaster, PA 17605-2425
Tel: 717-656-2800 Fax: 717-656-2691

See reverse side for explanation of symbols and abbreviations

12/16/99 Rev 8/14/97





LLI Sample No. WW 3062428

Collected: 12/21/98 at 11:30 by AE

Submitted: 12/23/98 Reported: 1/22/99

Discard: 1/30/99

007-1298 Filtered Grab Water Sample

New Bedford Harbor - MA -USACE

007F- SDG#: NBH06-16

Account No: 08947
Roy F. Weston, Inc.
1 Wall Street
Manchester NH 03101-1501

P.O. LL-2139-A7
Rel. 03886-118-002

AS RECEIVED

CAT NO.	ANALYSIS NAME	METHOD		
		RESULTS	DETECTION LIMIT	UNITS
1749	Cadmium	N.D.	0.0017	mg/l
1751	Chromium	N.D.	0.0054	mg/l
1753	Copper	N.D.	0.0058	mg/l
1055	Lead (furnace method)	N.D.	0.0019	mg/l
0173	PCBs in Water			See Page 2

This sample was field filtered for dissolved metals and PCBs.

1 COPY TO Roy F. Weston, Inc.
1 COPY TO Data Package Group

ATTN: Mr. Al Easterday

Questions? Contact your Client Services Representative
Tan H. Vo at (717) 656-2300
04:17:03 D 0002 24 REP 135166 646255
288 15.00 00020200 ASR000

Respectfully Submitted
Robert Strocko, Jr., B.S.
Group Leader, Metals Analysis



Lancaster Laboratories
2425 New Holland Pike
PO Box 12425
Lancaster, PA 17605-2425
(717) 656-2300 Fax: (717) 656-2683

See reverse side for explanation of symbols and abbreviations.

2216 Rev. 8/4/97





LLI Sample No. WW 3062428

Collected: 12/21/98 at 11:30 by AE

Submitted: 12/23/98 Reported: 1/22/99

Discard: 1/30/99

007-1298 Filtered Grab Water Sample

New Bedford Harbor - MA -USACE

007F- SDG#: NBH06-16

Account No: 08947
Roy F. Weston, Inc.
1 Wall Street
Manchester NH 03101-1501

P.O. LL-2139-A7
Ref. 03886-118-002

AS RECEIVED

METHOD

CAT NO.	ANALYSIS NAME	RESULTS	DETECTION LIMIT	UNITS
---------	---------------	---------	-----------------	-------

PCBs in Water

0639	PCB-1016	N.D.	0.096	ug/l
0640	PCB-1221	N.D.	0.096	ug/l
0641	PCB-1232	N.D.	0.096	ug/l
0642	PCB-1242	N.D.	0.096	ug/l
0643	PCB-1248	N.D.	0.096	ug/l
0644	PCB-1254	N.D.	0.096	ug/l
0645	PCB-1260	N.D.	0.096	ug/l

Questions? Contact your Client Services Representative
Tan H. Vo at (717) 656-2300

Respectfully Submitted
Jenifer E. Hess, B.S.
Group Leader Pesticides/PCBs



Lancaster Laboratories
2425 New Holland Pike
PO Box 12425
Lancaster, PA 17605-2425
Tel: 656-2300 Fax: 717-656-2681

See report for explanation of symbols and abbreviations

2216 Rev 04/97





LLI Sample No. WW 3062428

Collected: 12/21/98 at 11:30 by AE

Submitted: 12/23/98

Account No: 08947
Roy F. Weston, Inc.
1 Wall Street
Manchester NH 03101-1501

007-1298 Filtered Grab Water Sample

New Bedford Harbor - MA -USACE
007F- SDG#: NBH06-16

CAT NO	ANALYSIS NAME	METHOD	TRIAL	ANALYSIS ID	DATE AND TIME	ANALYST
1749	Cadmium	SW-846 6010B	1		12/29/98 2306	Donna R. Sackett
1751	Chromium	SW-846 6010B	1		12/29/98 2306	Donna R. Sackett
1753	Copper	SW-846 6010B	1		12/29/98 2306	Donna R. Sackett
1848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1		12/28/98 2312	Annamaria Stipkovits
1055	Lead (furnace method)	SW-846 7421	2		01/15/99 1510	Julie A. Slaughenhaupt
5704	WW/TL SW 846 GFAA Digest tot	SW-846 3020A	1		12/28/98 2312	Annamaria Stipkovits
0173	PCBs in Water	SW-846 8082	1		12/30/98 0436	Rick Shober
0817	Water Sample Pest. Extraction	SW-846 3510C	1		12/28/98 0700	Nathaniel R. Kurtz





Lancaster Laboratories
A division of Thermo Analytical Inc.

Page: 1 of 3

LLI Sample No. WW 3062429

Collected: 12/21/98 at 10:00 by AE

Submitted: 12/23/98 Reported: 1/22/99
Discard: 1/30/99

202-1298 Grab Water Sample

New Bedford Harbor - MA -USACE
202-- SDG#: NBH06-17

Account No: 08947
Roy F. Weston, Inc.
1 Wall Street
Manchester NH 03101-1501

P.O. LL-2139-A7
ReI. 03886-118-002

CAT NO.	ANALYSIS NAME	AS RECEIVED		
		RESULTS	METHOD DETECTION LIMIT	UNITS
1749	Cadmium	N.D.	0.0017	mg/l
1751	Chromium	N.D.	0.0054	mg/l
1753	Copper	N.D.	0.0058	mg/l
1055	Lead (furnace method)	N.D.	0.0019	mg/l
0173	PCBs in Water			

See Page 2

1 COPY TO Roy F. Weston, Inc.
1 COPY TO Data Package Group

ATTN: Mr. Al Easterday

Questions? Contact your Client Services Representative
Tan H. Vo at (717) 656-2300
04:17:42 D 0002 24 REP 135166 646255
288 15.00 00020200 ASR000

Respectfully Submitted
Robert Strocko, Jr., B.S.
Group Leader, Metals Analysis



Lancaster Laboratories
2425 New Holland Pike
PO Box 12425
Lancaster, PA 17605-2425
717-656-2300 Fax 717-656-2681

See reverse side for explanation of symbols and abbreviations

2000-0000-0000





LLI Sample No. ww 3062429

Collected: 12/21/98 at 10:00 by AE

Submitted: 12/23/98 Reported: 1/22/99

Discard: 1/30/99

202-1298 Grab Water Sample

New Bedford Harbor - MA -USACE
202-- SDG#: NBH06-17

Account No: 08947
Roy F. Weston, Inc.
1 Wall Street
Manchester NH 03101-1501

P.O. LL-2139-A7
Ref. 03886-118-002

		AS RECEIVED		
CAT			METHOD	
NO.	ANALYSIS NAME	RESULTS	DETECTION LIMIT	UNITS
PCBs in Water				
0639	PCB-1016	N.D.	0.10	ug/l
0640	PCB-1221	N.D.	0.10	ug/l
0641	PCB-1232	N.D.	0.10	ug/l
0642	PCB-1242	N.D.	0.10	ug/l
0643	PCB-1248	N.D.	0.10	ug/l
0644	PCB-1254	N.D.	0.10	ug/l
0645	PCB-1260	N.D.	0.10	ug/l

Questions? Contact your Client Services Representative
Tan H. Vo at (717) 656-2300

Respectfully Submitted
Jenifer E. Hess, B.S.
Group Leader Pesticides/PCBs



Lancaster Laboratories
2425 New Holland Pike
PO Box 12425
Lancaster, PA 17605-2425
(717) 656-2300 Fax (717) 656-2681

See reverse side for explanation of symbols and abbreviations.

2206 Rev. 1/23/99





LLI Sample No. WW 3062429

Collected: 12/21/98 at 10:00 by AE

Submitted: 12/23/98

Account No: 08947
Roy F. Weston, Inc.
1 Wall Street
Manchester NH 03101-1501

202-1298 Grab Water Sample

New Bedford Harbor - MA -USACE
202-- SDG#: NBH06-17

CAT NO	ANALYSIS NAME	METHOD	TRIAL	ANALYSIS ID	DATE AND TIME	ANALYST
1749	Cadmium	SW-846 6010B	1		12/29/98 2129	Christine R. Fritz
1751	Chromium	SW-846 6010B	1		12/29/98 2129	Christine R. Fritz
1753	Copper	SW-846 6010B	1		12/29/98 2129	Christine R. Fritz
1848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1		12/28/98 1815	Marie D. Kimmel
1055	Lead (furnace method)	SW-846 7421	2		01/15/99 1220	Julie A. Slaughenhaupt
5704	WW/TL SW 846 GFAA Digest tot	SW-846 3020A	1		12/28/98 1815	Marie D. Kimmel
0173	PCBs in Water	SW-846 8082	1		12/29/98 2258	Rick Shober
0817	Water Sample Pest. Extraction	SW-846 3510C	1		12/28/98 1000	Lisa J. Cooke





Lancaster Laboratories
A division of Thermo Analytical Inc.

Page: 1 of 3

LLI Sample No. WW 3062430

Collected: 12/21/98 at 10:00 by AE

Submitted: 12/23/98 Reported: 1/22/99

Discard: 1/30/99

202-1298 Filtered Grab Water Sample

New Bedford Harbor - MA -USACE
202F- SDG#: NBH06-18*

Account No: 08947
Roy F. Weston, Inc.
1 Wall Street
Manchester NH 03101-1501

P.O. LL-2139-A7
Ref. 03886-118-002

CAT NO.	ANALYSIS NAME	AS RECEIVED		UNITS
		RESULTS	METHOD DETECTION LIMIT	
1749	Cadmium	N.D.	0.0017	mg/l
1751	Chromium	N.D.	0.0054	mg/l
1753	Copper	N.D.	0.0058	mg/l
1055	Lead (furnace method)	N.D.	0.0019	mg/l
0173	PCBs in Water			See Page 2

This sample was field filtered for dissolved metals and PCBs.

1 COPY TO Roy F. Weston, Inc.
1 COPY TO Data Package Group

ATTN: Mr. Al Easterday

Questions? Contact your Client Services Representative
Tan H. Vo at (717) 656-2300
04:18:22 D 0002 24 REP 135166 646255
288 15.00 00020200 ASR000

Respectfully Submitted
Robert Strocko, Jr., B.S.
Group Leader, Metals Analysis



Lancaster Laboratories
3425 New Holland Pike
PO Box 12429
Lancaster, PA 17605-2429
Tel: (717) 656-2300 Fax: (717) 656-2681

See reverse side for explanation of symbols and abbreviations

2216 Rev. 1-1997





LLI Sample No. WW 3062430

Collected: 12/21/98 at 10:00 by AE

Submitted: 12/23/98 Reported: 1/22/99

Discard: 1/30/99

202-1298 Filtered Grab Water Sample

New Bedford Harbor - MA -USACE
202F- SDG#: NBH06-18*

Account No: 08947
Roy F. Weston, Inc.
1 Wall Street
Manchester NH 03101-1501

P.O. LL-2139-A7
Ref. 03886-118-002

CAT NO.	ANALYSIS NAME	AS RECEIVED		
		RESULTS	METHOD DETECTION LIMIT	UNITS
PCBs in Water				
0639	PCB-1016	N.D.	0.099	ug/l
0640	PCB-1221	N.D.	0.099	ug/l
0641	PCB-1232	N.D.	0.099	ug/l
0642	PCB-1242	N.D.	0.099	ug/l
0643	PCB-1248	N.D.	0.099	ug/l
0644	PCB-1254	N.D.	0.099	ug/l
0645	PCB-1260	N.D.	0.099	ug/l

Questions? Contact your Client Services Representative
Tan H. Vo at (717) 656-2300

Respectfully Submitted
Jenifer E. Hess, B.S.
Group Leader Pesticides/PCBs



Lancaster Laboratories
2425 New Holland Pike
PO Box 12425
Lancaster, PA 17605-2425
717-656-2300 Fax 717-656-2081

See reverse for the explanation of symbols and abbreviations

2016 Rev. 8/4/97





Lancaster Laboratories
A division of Thermo Analytical Inc.

Page: 3 of 3

LLI Sample No. WW 3062430

Collected: 12/21/98 at 10:00 by AE

Submitted: 12/23/98

Account No: 08947
Roy F. Weston, Inc.
1 Wall Street
Manchester NH 03101-1501

202-1298 Filtered Grab Water Sample

New Bedford Harbor - MA -USACE
202F- SDG#: NBH06-18*

CAT NO	ANALYSIS NAME	METHOD	TRIAL	ANALYSIS ID	DATE AND TIME	ANALYST
1749	Cadmium	SW-846 6010B	1		12/29/98 2311	Donna R. Sackett
1751	Chromium	SW-846 6010B	1		12/29/98 2311	Donna R. Sackett
1753	Copper	SW-846 6010B	1		12/29/98 2311	Donna R. Sackett
1848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1		12/28/98 2312	Annamaria Stipkovits
1055	Lead (furnace method)	SW-846 7421	2		01/15/99 1520	Julie A. Slaughenhaupt
5704	WW/TL SW 846 GFAA Digest tot	SW-846 3020A	1		12/28/98 2312	Annamaria Stipkovits
0173	PCBs in Water	SW-846 8082	1		12/30/98 0454	Rick Shober
0817	Water Sample Pest. Extraction	SW-846 3510C	1		12/28/98 0700	Nathaniel R. Kurtz



Lancaster Laboratories
2425 New Holland Pike
PO Box 12425
Lancaster, PA 17605-7425
717-656-1500 Fax 717-656-2681

See report code for explanation of symbols and abbreviations.

2216 Rev. 8/2/97



QUALITY ASSURANCE SUMMARY
BLANKS

*Re submitted
metals were
reanalyzed*

Lab Name: LANCASTER LABORATORIES

SDG No.: NBH06

Preparation Blank Matrix (soil/water): WATER

Preparation Blank Concentration Units (ug/L or mg/kg): UG/L

Analyte	Initial Calib. Blank (ug/L) C			Continuing Calibration Blank (ug/L)								Preparation Blank C		M
	1	C	2	C	3	C	4	C	5	C	6	7	C	
Cadmium	0.99	U	0.99	U	0.99	U	0.99	U	1.700	U				P
Chromium	1.5	U	1.5	U	1.5	U	1.5	U	5.400	U				P
Copper	1.3	U	1.3	U	1.3	U	1.3	U	5.800	U				P
Lead	0.29	U	0.29	U	0.29	U	0.29	U	1.900	U				F

QUALITY ASSURANCE SUMMARY

BLANKS

Lab Name: LANCASTER LABORATORIES__

SDG No.: NBH06

Preparation Blank Matrix (soil/water): WATER_

Preparation Blank Concentration Units (ug/L or mg/kg): UG/L_

Analyte	Initial Calib. Blank (ug/L)		Continuing Calibration Blank (ug/L)						Preparation Blank		M
		C	1	C	2	C	3	C		C	
Cadmium			0.99	U					1.700	U	P
Chromium			1.5	U					5.400	U	P
Copper			1.3	U					5.800	U	P
Lead			0.34	B	0.29	U	0.38	B	1.900	U	F

QUALITY ASSURANCE SUMMARY

LABORATORY CONTROL SAMPLE

Lab Name: LANCASTER LABORATORIES__

SDG No.: NBH06

Solid LCS Source: _____

Aqueous LCS Source: LLI_____

Analyte	Aqueous (ug/L)			Solid (mg/kg)					%R
	True	Found	%R(1)	True	Found	C	Limits		
Cadmium	50.0	50.98	102.0			-			
Chromium	200.0	205.50	102.8			-			
Copper	250.0	251.71	100.7			-			
Lead	20.0	20.02	100.1			-			

(1) Control Limits: 80-120

QUALITY ASSURANCE SUMMARY

LABORATORY CONTROL SAMPLE

Lab Name: LANCASTER LABORATORIES

SDG No.: NBH06

Solid LCS Source:

Aqueous LCS Source: LLI

Analyte	Aqueous (ug/L)			Solid (mg/kg)				
	True	Found	%R(1)	True	Found	C	Limits	%R
Cadmium	50.0	50.96	101.9					
Chromium	200.0	204.06	102.0					
Copper	250.0	248.29	99.3					
Lead	20.0	19.43	97.2					

(1) Control Limits: 80-120

QUALITY ASSURANCE SUMMARY

MATRIX SPIKE/MATRIX SPIKE DUPLICATE

CLIENT SAMPLE NO.

Lab Name: LANCASTER LABORATORIES

SDG No.: NBH06

004--S

Matrix (Soil/Water): WATER

% Solids for sample: 0.0

Concentration Units (ug/l or mg/kg dry weight): UG/L

Level (low/med): LOW

Analyte	M	Sample Result	C	MS Sample Result	C	MSD Sample Result	C	MS Spike Added	MSD Spike Added	MS %R	Q	MSD %R	Q	Control Limits %R	RPD	Q	Ctl Lim RPD
Cadmium	P	1.7000	U	51.7700		50.8700		50.00	50.00	103.5		101.7		75-125	1.8		20
Chromium	P	5.4000	U	210.7500		205.4300		200.00	200.00	105.4		102.7		75-125	2.6		20
Copper	P	5.8000	U	258.4100		251.3600		250.00	250.00	103.4		100.5		75-125	2.8		20
Lead	F	9.5000	U	12.2000	B	12.8500	B	20.00	20.00	61.0	N	64.2	N	80-120	5.2		20

Note: An (N) in column "Q" indicates a spike recovery that is not within the control limits. An asterisk (*) in column "Q" indicates poor duplicate precision between the matrix spike and the matrix spike duplicate. The data are considered to be valid because the laboratory control sample is within the control limits. See the Laboratory Control Sample page of the Quality Assurance Summary.

QUALITY ASSURANCE SUMMARY

MATRIX SPIKE/MATRIX SPIKE DUPLICATE

CLIENT SAMPLE NO.

Lab Name: LANCASTER LABORATORIES

SDG No.: NBH06

004F-S

Matrix (Soil/Water): WATER

% Solids for sample: 0.0

Concentration Units (ug/l or mg/kg dry weight): UG/L

Level (low/med): LOW

Analyte	M	Sample Result	C	MS Sample Result	C	MSD Sample Result	C	MS Spike Added	MSD Spike Added	MS %R	Q	MSD %R	Q	Control Limits %R	RPD	Q	Ctl Lim RPD
Cadmium	P	1.7000	U	50.9600		50.6700		50.00	50.00	101.9		101.3		75-125	0.6		20
Chromium	P	5.4000	U	206.3800		205.8500		200.00	200.00	103.2		102.9		75-125	0.3		20
Copper	P	5.8000	U	256.5500		256.8500		250.00	250.00	102.6		102.7		75-125	0.1		20
Lead	F	9.5000	U	17.7500		27.5500		20.00	20.00	88.8		137.8	N	80-120	43.3	*	20

Note: An (N) in column "Q" indicates a spike recovery that is not within the control limits. An asterisk (*) in column "Q" indicates poor duplicate precision between the matrix spike and the matrix spike duplicate. The data are considered to be valid because the laboratory control sample is within the control limits. See the Laboratory Control Sample page of the Quality Assurance Summary.

QUALITY ASSURANCE SUMMARY

CLIENT SAMPLE NO.

DUPLICATES

004--D

Lab Name: LANCASTER LABORATORIES

SDG No.: NBH06

Matrix (soil/water): WATER

Level (low/med): LOW

% Solids for Sample: 0.0

% Solids for Duplicate: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

Analyte	Control Limit	Sample (S) C	Duplicate (D) C	RPD	Q	M
Cadmium		1.7000 U	1.7000 U		-	P
Chromium		5.4000 U	5.4000 U		-	P
Copper		5.8000 U	5.8000 U		-	P
Lead		9.5000 U	9.5000 U		-	F

NOTE: An asterisk(*) in column "Q" indicates poor duplicate precision (RPD > 20% OR $|(S) - (D)| > LOQ$ for values < 5x LOQ). The data are considered to be valid because the laboratory control sample is within the control limits. See the Laboratory Control Sample page of the Quality Assurance Summary.

QUALITY ASSURANCE SUMMARY

CLIENT SAMPLE NO.

DUPLICATES

004F-D

Lab Name: LANCASTER LABORATORIES

SDG No.: NBH06

Matrix (soil/water): WATER

Level (low/med): LOW

% Solids for Sample: 0.0

% Solids for Duplicate: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Cadmium		1.7000	U	1.7000	U		-	P
Chromium		5.4000	U	5.4000	U		-	P
Copper		5.8000	U	5.8000	U		-	P
Lead		9.5000	U	9.5000	U		-	F

NOTE: An asterisk(*) in column "Q" indicates poor duplicate precision (RPD > 20% OR $| (S) - (D) | > LOQ$ for values < 5x LOQ). The data are considered to be valid because the laboratory control sample is within the control limits. See the Laboratory Control Sample page of the Quality Assurance Summary.

QUALITY ASSURANCE SUMMARY

CLIENT SAMPLE NO.

SERIAL DILUTIONS

004-- L

Lab Name: LANCASTER LABORATORIES

SDG No.: NBH06

Matrix (soil/water): WATER

Level (low/med): LOW

Concentration Units: ug/L

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Differ- ence	Q	M
Cadmium	1.70	U	8.50	U			P
Chromium	5.40	U	27.00	U			P
Copper	5.80	U	29.00	U			P
Lead							NR

NOTE: An (E) in column "Q" indicates the presence of a chemical or physical interference in the matrix during analysis (% Difference > 10% when (I) > or = 50x MDL for ICP or (I) > or = 25x MDL for GFAA).

QUALITY ASSURANCE SUMMARY

SERIAL DILUTIONS

CLIENT SAMPLE NO.

004F- L

Lab Name: LANCASTER LABORATORIES

SDG No.: NBH06

Matrix (soil/water): WATER

Level (low/med): LOW

Concentration Units: ug/L

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Differ- ence	Q	M
Cadmium	1.70	U	8.50	U			P
Chromium	5.40	U	27.00	U			P
Copper	5.80	U	29.00	U			P
Lead							NR

NOTE: An (E) in column "Q" indicates the presence of a chemical or physical interference in the matrix during analysis (% Difference > 10% when (I) > or = 50x MDL for ICP or (I) > or = 25x MDL for GFAA).

Analysis Request/ Environmental Services Chain of Custody



Lancaster Laboratories
A division of Thermo Analytical Inc.

Fed Ex Airbill No. 50 753288529

For Lancaster Laboratories use only

Acct. # 8947 Sample # 2062407-450

Please print. Instructions on reverse side correspond with circled numbers.

1 Client: <u>Ray F. Weston</u> Acct. #: _____ Project Name/ #: <u>New Bedford Harbor</u> PWSID #: _____ Project Manager: <u>Alexander Easterday</u> P.O. #: _____ Sampler: <u>Al Easterday / Scott Campbell</u> Quote #: _____ Name of state where samples were collected: <u>MA</u>			4 Matrix <input type="checkbox"/> Potable Water <input type="checkbox"/> NPDES <input type="checkbox"/> Other		5 Analyses Requested PCB (Total) (A) PCB (Dissolved) (A) Metals (Total) (B) Metals (Dissolved) (B)				For lab use only FSC: _____ SCR #: <u>1120383</u>																																																																																																													
2 <table border="1"> <thead> <tr> <th>Sample Identification</th> <th>Date Collected</th> <th>Time Collected</th> <th>Grab</th> <th>Composite</th> <th>Soil</th> <th>Water</th> <th>Other</th> <th>Total # of Containers</th> <th>Remarks</th> <th>Temperature of samples upon receipt (if requested)</th> </tr> </thead> <tbody> <tr> <td>001 - 1298</td> <td>21 Dec 98</td> <td>1025</td> <td>✓</td> <td></td> <td></td> <td>✓</td> <td></td> <td>4</td> <td>A - Preserved with Sodium Thiosulfate</td> <td></td> </tr> <tr> <td>101 - 1298</td> <td></td> <td>1025</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>B - Preserved with Nitric Acid</td> <td></td> </tr> <tr> <td>002 - 1298</td> <td></td> <td>1520</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>003 - 1298</td> <td></td> <td>1530</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>004 - 1298</td> <td></td> <td>1315</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>12</td> <td></td> <td></td> </tr> <tr> <td>005 - 1298</td> <td></td> <td>1320</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>4</td> <td></td> <td></td> </tr> <tr> <td>006 - 1298</td> <td></td> <td>0930</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>007 - 1298</td> <td></td> <td>1130</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>202 - 1298</td> <td></td> <td>1000</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>			Sample Identification	Date Collected	Time Collected	Grab	Composite	Soil	Water	Other	Total # of Containers	Remarks	Temperature of samples upon receipt (if requested)	001 - 1298	21 Dec 98	1025	✓			✓		4	A - Preserved with Sodium Thiosulfate		101 - 1298		1025							B - Preserved with Nitric Acid		002 - 1298		1520									003 - 1298		1530									004 - 1298		1315						12			005 - 1298		1320						4			006 - 1298		0930									007 - 1298		1130									202 - 1298		1000														
Sample Identification	Date Collected	Time Collected	Grab	Composite	Soil	Water	Other	Total # of Containers	Remarks	Temperature of samples upon receipt (if requested)																																																																																																												
001 - 1298	21 Dec 98	1025	✓			✓		4	A - Preserved with Sodium Thiosulfate																																																																																																													
101 - 1298		1025							B - Preserved with Nitric Acid																																																																																																													
002 - 1298		1520																																																																																																																				
003 - 1298		1530																																																																																																																				
004 - 1298		1315						12																																																																																																														
005 - 1298		1320						4																																																																																																														
006 - 1298		0930																																																																																																																				
007 - 1298		1130																																																																																																																				
202 - 1298		1000																																																																																																																				
7 Turnaround Time Requested (TAT) (please circle): Normal Rush (Rush TAT is subject to Lancaster Laboratories approval and surcharge.) Date results are needed: <u>Standard TAT</u> Rush results requested by (please circle): Phone Fax Phone #: <u>603 656 5400</u> Fax #: <u>603 656 5401</u>			Relinquished by: <u>B. Daily</u> Relinquished by: <u>Scott Campbell</u> Relinquished by: _____		Date: <u>12/16/98</u> Time: <u>2:25</u> Date: <u>12/30/98</u> Time: <u>1400</u> Date: _____ Time: _____		Received by: <u>Weston</u> Received by: <u>Fed Ex</u> Received by: _____		Date: <u>12/17/98</u> Time: _____ Date: _____ Time: _____ Date: _____ Time: _____																																																																																																													
8 Data Package Options (please circle if requested) QC Summary Type VI (Raw Data) Type I (Tier I) GLP Type II (Tier II) Other Type III (NJ Red. Del.) Type IV (CLP)			SDG Complete? Yes No Site-specific QC required? Yes No (If yes, indicate QC sample and submit triplicate volume.) Internal Chain of Custody required? Yes No						9 Relinquished by: _____ Date: _____ Time: _____ Relinquished by: _____ Date: _____ Time: _____ Relinquished by: _____ Date: _____ Time: _____																																																																																																													